



HVAC/R Test Instruments and Specialty Hand Tools



HVACR13

Precision, Specialty and Innovation . . . Since 1922

HVAC/R Test Instruments and Specialty Hand Tools

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GTi10: Thermal Imaging GTi20: Thermal/Visual Imaging with Picture-in-picture GTi30: Thermal/Visual Imaging with & Picture-in-picture, Streaming GTi50 Video and Voice Annotation

Ideal for revealing invisible heat-driven processes and problems.

Applications include: equipment maintenance and repair (MRO); building energy audits; process/manufacturing plant maintenance; water damage restoration; automotive repair; firefighting; navigation; surveillance

By converting objects' infrared (IR) radiation to visible color images, thermal imaging cameras make it possible to detect very small temperature differences from a distance. Heat signatures can help diagnose the cause of equipment failures and poor performance due to wear and tear, misalignments and fault conditions.

Features & Benefits:

- 160 x 120 (19,200) pixel focal plane array IR detector 384 x 288 (110,592) pixels (GTi50 only)
- Temperature sensitivity of $\pm 0.14^{\circ}\text{F}$ (0.08°C)
Temperature sensitivity of $\pm 0.072^{\circ}\text{F}$ (0.04°C) (GTi50)
- 4 in. (100mm) minimum focal distance allows close-up work
- Included 2GB MiniSD card stores images for later uploading to PC
- USB 2.0 and Video Out jacks
- Bright 3.5 in. diagonal flip-up color LCD
- Manually or automatically adjustable image level and span (brightness and contrast)
- Adjustable emissivity
- Tripod mount (via optional adaptor)
- Water, dust and oil-resistant to IP54 standard
- Shock and vibration-resistant
- Powered by rechargeable Li-ion battery
- Capture and store image using trigger
- 3 year limited warranty
- Up to 5 hours of operation using 2 batteries

Includes:

Camera; 2 Rechargeable Li-ion Batteries; Compact Battery Charger; 2GB MiniSD Memory Card; SD Card Reader; Video Cable with BNC Plug; USB 2.0 Cable; Bluetooth Headset with Charger (GTi30, GTi50); Lens Cap; Standard Analysis & Reporting Software on CD; Calibration Certificate; Sun Shield; Hand & Neck Straps; Custom Hard Case; User's Manual; 3 Year Limited Warranty

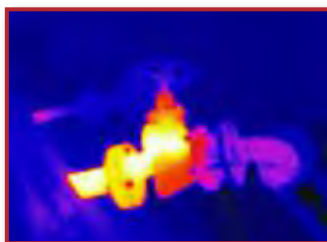
Options:

Extra Batteries; Wide-Angle Lens with 38° (GTi10, 20, 30), 48° (GTi50) Field of View; Telephoto Lens with 6.4° or 9° (GTi10, 20, 30), 12° (GTi50) Field of View; In-Camera Charger; Car Charger; Professional Analysis & Reporting Software; Tripod Adapter; Extended Temperature Range to 1112°F (600°C), 1832°F (1000°C) or 2732°F (1500°C); 5 Year Limited Warranty

UPC	NO.
01550 6	GTi10
01586 5	GTi20
01551 3	GTi30
01592 6	GTi50



An IR image of a water pump's motor



A hot-water valve, shot in the dark



GTi10

GTi20
GTi30
GTi50



All four GTi thermal imaging cameras feature a large, bright color LCD and point-and-shoot simplicity

“PREDATOR” SERIES FEATURES & SPECIFICATIONS	GTi10	GTi20	GTi30	GTi50
				
Picture-in-Picture Mode (Visual + Thermal Image Fusion)	No	Yes		
Analysis Tools	2 Movable Spots, Isothermal Analysis	4 Movable Spots, Isothermal Analysis	9 Movable Spots, Isothermal Analysis Profile Analysis, 5 Area Analysis	
LED Flashlight	No	Yes		
Temperature Alarms	No	Yes		
Visual File Format	Prop SAT/JPG	Prop SAT/CCD/JPG		
Visual Image Resolution	N/A	320 x 240 pixels		640 x 480 pixels
Thermal Video Streaming	No	Yes (Via USB)		
Voice Annotation	No	Yes (Via Bluetooth)		
IR Resolution	160 x 120 pixels			384 x 288 pixels
Spatial Resolution	2.2 mrad			1.3 mrad
Thermal Sensitivity at 86°F (30°C)	±0.14°F (0.08°C)			±0.072°F (0.04°C)
Field of View	20° x 15°			24° x 18°
Refresh Rate	30 frames per second (fps)			
IR Detector Spectral Range	8 to 14um			
Laser Pointer	Yes			
Temperature Measurement Range	4° to 572°F (-20° to 300°C), upgradeable to 1112°F (600°C) or 2732°F (1500°C)			
Detector Type	Uncooled focal plane array, manual focusing			
Accuracy	-4° to 572°F (-20° to 300°C) optionally upgradeable to 1112°F (600°C), 1832°F (1000°C), or 2732°F (1500°C)			
Focusing	Manual			
Measurement Compensation Factors	Emissivity, Ambient Temperature, Humidity, Distance			
Minimum Focal Distance	4 in. (100mm)			
Optional Telephoto and Wide-Angle Lenses	Yes (6.4° , 9° and 38° (GTi10, 20, 30); 12° , 48° (GTi50))			
Display	Flip-up 3.5 in. diagonal color LCD			
Auto Hot/Cold Spot Indicator	Yes			
Video Output Formats	NTSC, PAL			
Color Palettes	Ironbow, Iron-Inverted, Rainbow, Feather, Grey, Grey-Inverted			
Image Storage Medium, Capacity	2GB MiniSD memory card (included)			
Thermal File Format	Proprietary SAT, Radiometric, JPG			
Text Input	No			
Battery	Rechargeable Lithium-Ion			
Total Charge Capacity	Up to 5 hours continuous with 2 batteries			
Power Saver Mode	Yes			
Operating Temperature	-4° to 122°F (-20° to 50°C) @ 10 to 90% RH			
Water/Dust/Oil Resistance	IP54			
Shock Resistance	Operational 25G			
Vibration Resistance	Operational 2G			
Tripod Mount	Non-standard.	Optional Adaptor needed (No. TRPDGTi)		
Weight	1.3 lb. (580g)			
Dimensions	6.8 x 3.1 x 6.4 in. (172 x 80 x 162mm)			
Tripod Mount	Non-standard. Optional Adaptor needed (No. TRPDGTi)			
External Power Source	External AC Battery Charger provided. Optional: In-Camera Charger (No. ADPTRGTi), Car Charger (No. CRCHGTi)			
Limited Warranty Duration	3 Years			

iBOREScope – DCiS1

Exclusive in North America!

Ideal for wireless inspection applications. With the help of a free app, iBorescope can wirelessly stream video to your iPhone®, iPad® or Android™ device via a self-generated WiFi hotspot without Internet access. Video clips and still images extracted from the stream can be displayed, stored, played back and shared.

FEATURES:

- ◆ 6 ft. (1.83m) long (35 in./900mm), thin (0.39 in./9.8mm diameter) flexible-obedient probe captures VGA (640 x 480 pixel) resolution video
- ◆ App's VIDEO and SNAP SHOT soft buttons capture .mp4 (Apple) or .m4v (Android) video clips and still .jpg images of video stream and save files to Photos folder of iPad/iPad or Android device. Video clips and photos can be viewed immediately, shared immediately by text, or shared later via e-mail or Skype™.
- ◆ Non-replaceable Li-ion battery charges through included USB cable
- ◆ Includes three useful probe tip accessories

SPECIFICATIONS:

- ◆ Compatible with: All iPad, iPhone and Android devices
- ◆ Security: WiFi (WEP) password
- ◆ Video Resolution: 640 x 480 pixels (VGA)
- ◆ WiFi Range: 60 ft. (18m), max (unobstructed)
- ◆ Camera Lighting: 2 white LEDs
- ◆ Camera Head Diameter: 0.39 in. (9.8mm)
- ◆ Camera Depth of Field: 1/2 in. to 12 in. (12.7 to 305mm)
- ◆ Camera Field of View: 54°

- ◆ Probe Length: 6 ft. (1.83m)
- ◆ Probe Minimum Bending Radius: 1.77 in. (45mm)
- ◆ Dust & Water Resistance Rating: IP67 (Probe & Camera Head only)
- ◆ Operating Voltage: 3.7V internal from 5V input
- ◆ Current Consumption: 600 mA, max @ 5VDC
- ◆ Operating Temperature: 32° to 104°F (0° to 40°C)
- ◆ Grip Dimensions: 8.50 x 2.50 x 4.88 in. (216 x 64 x 124mm)
- ◆ Weight: 5.80 oz. (164.43g)
- ◆ Power Source: Rechargeable Li-ion battery with 5V/1A output
- ◆ Battery Life: 3 hours (typical)
- ◆ Warranty: 1 year (limited)

INCLUDES:

WiFi Grip, 0.39 in. Diameter x 6 ft. Long Probe, Charging Cable with USB Plug (compatible with iPad/iPhone/Android Power Adapter and all computers), Video Cable, Three Probe Tip Accessories (45° Mirror, Magnetic Pickup, Pickup Hook), Custom Hard Case, User's Manual

UPC	NO.
01591 9	DCiS1
01597 1	P600-3 105 in. (2.7m) long, 9.8mm diameter optional probe

Works with any iPhone, iPad or Android Device!

NEW!



DCiS1



iBorescope makes it easy to identify the jacks on the back of rack or wall-mounted equipment

WATERPROOF VIDEO INSPECTION SYSTEMS

SEASCOPE™600 (DCS600) NON-RECORDING

SEASCOPE™660 (DCS660) RECORDING – DCS600, DCS660

Ideal for plumbing-related applications and inspections of submerged structures and parts of boats, ships, bridges or offshore oil platforms.

FEATURES:

- ◆ Makes it possible to inspect sewer and water lines carrying running water
- ◆ Enables a diver or snorkeler to view probe video under water in real time. Other "waterproof" inspection systems lack watertight grips and monitors
- ◆ Ideal for marine search & rescue operations
- ◆ Eliminates concerns about accidentally dropping or dunking grip or monitor into water
- ◆ Grip, probe and monitor are guaranteed leak-proof to depth of 1m; all three components will also resist leaks at depths up to 2m for short periods (1 hour, max)
- ◆ 3.4 in. (86.4mm) color LCD makes videos large and crystal-clear
- ◆ Video can be inverted (rotated 180°) to make it easier to read labels and serial numbers
- ◆ Analog Video Out jack

Additional Features for SeaScope™660

- ◆ Record time/date-stamped still images and videos on included 2GB MicroSD memory card
- ◆ Videos can be panned by joystick and zoomed up to 4X
- ◆ Includes USB jack and cable for PC connection

- ◆ Field of View: 54°
- ◆ Depth of Field: 0.6 to 6 in. (15 to 150mm)
- ◆ Camera Illumination: 2 white LEDs
- ◆ Display Type, Size: TFT, 3.4 in. (86.4mm) diagonal
- ◆ Display Resolution: 320 x 240 pixels
- ◆ Operating Temperature: 32° to 113°F (0° to 45°C)
- ◆ Grip Dimensions: 13.0 x 10.5 x 4.5 in. (330 x 267 x 114mm)
- ◆ Grip Weight: 56 oz. (1587.57g)
- ◆ Power Source: 4 "AA" batteries (not included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

Watertight grip, monitor and 1m camera-tipped probe; Video cable; Set of three probe tip accessories (45° mirror, pickup hook and magnetic pickup); Hard plastic protective case; User's manual. DCS660 also includes 2GB MicroSD memory card, USB cable

UPC	NO.
01514 8	DCS600
01515 5	DCS660
01596 4	P600-2 70 in. (1.8m) long, 9.8mm diameter optional probe
01597 1	P600-3 105 in. (2.7m) long, 9.8mm diameter optional probe

SPECIFICATIONS:

- ◆ Camera-Tipped Flexible Obedient Probe Diameter, Length: 9.8mm (0.39 in.), 1m (3.3 ft.)



DCS600

DCS660

We Call Our Video Borescopes “High-Performance Systems” for Several Good Reasons:

- They use our thinnest probes, with diameters as small as 3.9mm (0.15 in.). Even our thickest general-purpose high-performance probe, at 6mm across, is no thicker than a No. 2 pencil lead.
- The probes have superior optical specs, including close-focus and far-focus depths of field.
- Probe choices abound. Just pick the probe type (flexible-obedient or soft metal), probe diameter (3.9mm, 4.9mm, 5.5mm or 6m), probe length (0.75 to 30m) and viewing angle (front view, articulating or switchable front/side view) you need; one of our probes is sure to fill the bill.
- The borescopes themselves also come in several flavors—for example, wired or wireless, and recording or non-recording. Whichever model you choose, your high-performance borescope will have passed a 60,000-cycle performance test, sport a color monitor, and come in a custom protective hard case.

Probe Diameters (actual size)	●	●	●	●
	3.9mm (0.15 in.)	4.9mm (0.19 in.)	5.5mm (0.22 in.)	6mm (0.24 in.)



DCS1800
High-Performance Wireless
Recording Video Borescope
System (See page 10)

DCS1800ART
High-Performance Wireless
Recording Video Borescope
System with Articulating Probe
(See page 12)

SYSTEM	PLATFORM	DCS1800			DCS1700
	Model No.	DCS1800	DCS1800ART	DCS1800-TR*	DCS1700
	System/Component Name	High-Performance Wireless Recording Video Borescope System	High-Performance Wireless Recording Video Borescope System with Articulating Probe	Wireless Probe Handle/Controller*	The VIPER 1700 Super High-Performance VGA Recording Video Borescope System
	Display Size (diagonal)	3.5 in. (89mm)	3.5 in. (89mm)	—	3.5 in. (89mm)
	Wireless Range	Up to 33 ft. (10m)	Up to 33 ft. (10m)	Up to 33 ft. (10m)	—
	Records	Audio, video, still images	Audio, video, still images	—	Video, still images
	Resolution (pixels)	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	—	Display: 320 x 240 Probe & Recording: 640 x 480
	Zoom Level	1.5X	1.5X	—	2.0X
	Operating Temperature	Console: -4° to 140°F (-20° to 60°C); Probe: 32° to 131°F (0° to 55°C)	Console: -4° to 140°F (-20° to 60°C); Probe: 32° to 131°F (0° to 55°C)	32° to 140°F (0° to 60°C)	Console: 32° to 122°F (0° to 50°C) Probe: -4° to 140°F (-20° to 60°C)
	Memory (capacity of included SD card)	2GB	2GB	—	4GB
SUPPLIED PROBE	Power Source	Rechargeable Li-ion battery	Rechargeable Li-ion batteries	Rechargeable Li-ion battery	(4) "AA" batteries
	Certifications	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, RoHS
	Limited Warranty Term	1 year	1 year	1 year	1 year
	Diameter	5.5mm (0.22 in.)	6mm (0.23 in.)	—	5.5mm (0.22 in.)
	Style	Flexible-Obedient	Articulating	—	Soft metal
	Length	3.3 ft. (1m)	3.3 ft. (1m)	—	3.3 ft. (1m)
	Field of View	46° (Hor), 34° (Vert), 56° (Diag)	46° (Hor), 34° (Vert), 56° (Diag)	—	60°
	Depth of Field	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	—	0.25 to 12 in. (6.4 to 300mm)
	Resistance to Water/Dust/Oil/Gas	IP67	IP67	—	IP67
	Light Source	4 Adjustable white LEDs	4 Adjustable white LEDs	—	—

*Enables existing DCS1800ART owners to add a Non Articulating Probe or the P16HPART VGA resolution Articulating Probe;
DCS1800-TR does not include DCS1800 Receiving Console



DCS1600ART
High-Performance Recording
Video Borescope System with
Articulating Probe (See page 12)



DCS1600
High-Performance
Recording Video Borescope
System (See page 11)



DCS1700
The VIPER 1700 Super
High-Performance VGA
Recording Video
Borescope System
(See page 8)



DCS800
Rugged
High-Performance
VGA Recording
Video Borescope
System (See page 8)

	DCS1600				DCS800
	DCS1600	DCS1600ART	H16	DPS16	DCS800
	High-Performance Recording Video Borescope System	High-Performance Recording Video Borescope System with Articulating Probe	Handheld Recording Video Borescope Console	Pipe & Duct Recording Video Borescope Inspection System	Rugged High-Performance VGA Recording Video Borescope System
	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)
	—	—	—	—	—
	Video, still images	Video, still images	Video, still images	Video, still images	Video, still images
	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Probe & Display: 320 x 240 Recording: 640 x 480
	1.5X Console: -4° to 140°F (-20° to 60°C); Probe: 32° to 131°F (0° to 55°C)	1.5X Console: -4° to 140°F (-20° to 60°C); Probe: 32° to 131°F (0° to 55°C)	1.5X Console: -4° to 140°F (-20° to 60°C)	1.5X Console: -4° to 140°F (-20° to 60°C); Probe: 14° to 158°F (0° to 70°C)	5.0X Console: 32° to 140°F (0° to 60°C) Probe: -4° to 140°F (-20° to 60°C)
	2GB	2GB	2GB	2GB	4GB
	Rechargeable Li-ion battery	Rechargeable Li-ion battery	Rechargeable Li-ion battery	Rechargeable Li-ion battery	4 "AA" batteries
	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS
	1 year	1 year	1 year	1 year	1 year
	5.5mm (0.22 in.)	6mm (0.23 in.)	—	28mm (1.1 in.)	5.5mm (0.22 in.)
	Flexible-Obedient	Articulating	—	Flexible	Flexible-Obedient
	3.3 ft. (1m)	3.3 ft. (1m)	—	72 ft. (22m)	3.3 ft. (1m)
	46° (Hor), 34° (Vert), 56° (Diag)	46° (Hor), 34° (Vert), 56° (Diag)	—	151°	46° (Hor), 34° (Vert), 56° (Diag)
	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	—	0.4 in. (10mm) to infinity	0.25 to 12 in. (6.4 to 300mm)
	IP67	IP67	—	IP68	IP67
	4 Adjustable white LEDs	4 Adjustable white LEDs	—	8 Adjustable white LEDs	4 Adjustable white LEDs



DPS16
Pipe & Duct
Video
Recording
Borescope
Inspection
System
(See page 9)

HIGH-PERFORMANCE SYSTEMS

VGA Capable Borescopes

GENERAL®



DCS1700

INCLUDES:

Console, VGA Resolution Probe, 4GB SD Memory Card, Object Measuring Tip, 110° Mirrored Viewing Tip, Video Cable, USB Cable, 4 "AA" Alkaline Batteries, Custom Hard Case, User's Manual

THE VIPER 1700 VIDEO BORESCOPE SYSTEM – DCS1700

Ideal for inspecting inaccessible or hard-to-see areas.

FEATURES & BENEFITS:

- Records VGA resolution (640 x 480 pixel) video clips and still images
- Probe features light boost, anti-reflection and screen rotation
- Camera lighting provided by 4 front-facing LEDs
- To minimize glare from shiny targets, lighting can be shifted to 2 angled LEDs
- Console features brightness controls, horizontal mirroring, 2X zoom, and slow-motion and fast-forward video playback
- Object measurement mode
- Console accepts dozens of different length and diameter probes
- Probe and stainless steel camera head are IP67 water, oil and dust-proof
- Dual output jacks enable before/after image comparisons
- Auto Power Off is time adjustable
- Includes 4GB SD memory card, video and USB cables and hard case

SPECIFICATIONS:

- ◆ Display Size/Type: 3.5 in. (diagonal), color TFT LCD
- ◆ Display Resolution: 320 x 240 pixels (QVGA)
- ◆ Video/Photo File Format: .avi/.jpg

- ◆ Video Zoom Options: 1.5X, 2X
- ◆ Video Playback Speeds: 12%, 25%, 50%, 1X, 1.5X, 2X, 4X
- ◆ Video Out Formats: NTSC and PAL
- ◆ Video Frame Rate: 30 frames per second (fps)
- ◆ Probe Length/Type/Diameter: 39 in. (1m), soft metal, 0.22 in. (5.5mm)
- ◆ Probe Depth of Field: 0.25 to 12 in. (6.4 to 300mm)
- ◆ Probe Field of View: 60°
- ◆ Menu Languages: English, French, German, Italian, Spanish, and Portuguese, as well as 21 other European and Asian languages
- ◆ Operating/Storage Temperatures: Probe: -4° to 140°F (-20° to 60°C) Console: 32° to 122°F (0° to 50°C)
- ◆ Dimensions of Grip: 10.8 x 4.8 x 2.2 in. (275 x 123 x 55mm)
- ◆ Weight of Grip (without Batteries): 13 oz. (370g)
- ◆ Power Source: 4 "AA" Alkaline batteries (included)
- ◆ Optional Power Source: Rechargeable Ni-MH or Li-ion "AA" batteries
- ◆ Battery Life (typical): 4 hours operation
- ◆ Warranty: 1 year (limited)

UPC	NO.
01601 5	DCS1700



DCS800

INCLUDES:

Console, 5.5mm diameter, 1m long QVGA resolution flexible-obedient probe, 90° mirrored viewing tip and thread protector ring, 4GB SD memory card, AV and USB cables, (4) "AA" Alkaline batteries, adjustable hand strap, custom hard plastic carrying case, user's manual

RUGGED HIGH-PERFORMANCE VGA RECORDING VIDEO BORESCOPE SYSTEM – DCS800

Ideal for inspecting hard-to-reach and hard-to-see areas.

FEATURES & BENEFITS:

- 3.5 in. (89mm) diagonal color LCD
- 39 in. (1m) long, 0.22 in. (5.5mm) diameter flexible-obedient probe with 320 x 240 pixel (QVGA) resolution camera lit by four LEDs
- Console, probe, and stainless steel camera head are IP55 water, oil and dust-proof. Console is also 1m (39 in.) drop-proof
- Grip accepts dozens of other QVGA and VGA (640 x 480 pixel) resolution probes of various lengths and diameters
- Records VGA or QVGA resolution video clips and still images using familiar menu-driven user interface. Saved video and photo files incorporate real-time brightness, zoom and mirroring adjustments made prior to recording or "on the fly"
- Three options for mirroring live video: horizontal, vertical, or both
- 4GB SD memory card
- Analog video out jack and cable with RCA plug
- USB cable for uploading/viewing media on SD card to PC without ejecting card
- 90° mirrored probe viewing tip
- Adjustable Auto Power Off interval
- Choice of 27 menu languages
- Custom hard plastic carrying case
- Powered by four "AA" Alkaline or rechargeable batteries

SPECIFICATIONS:

- ◆ Display Resolution: 320 x 240 pixels (QVGA)
- ◆ Diameter of Camera Head with Thread Protector: 0.23 in. (6mm)
- ◆ Probe Depth of Field: 0.25 to 12 in. (6.4 to 300mm)
- ◆ Probe Field of View: 46° (horizontal), 34° (vertical), 56° (diagonal)
- ◆ Video File Format: .avi
- ◆ Photo File Format: .jpg
- ◆ Video Zoom Options: 3.0X, 5.0X
- ◆ Video Out Formats: NTSC and PAL
- ◆ Video Frame Rate: 30 frames per second (fps)
- ◆ Compression Format: Compatible with MPEG4
- ◆ Probe Operating/Storage Temperature: -4° to 140°F (-20° to 60°C)
- ◆ Console Operating Temperature: 32° to 140°F (0° to 60°C)
- ◆ Dimensions of Console: 5.5 x 4.6 x 1.7 in. (140 x 116 x 42mm)
- ◆ Weight of Console (without Batteries): 10.6 oz. (300g)
- ◆ Power Source: (4) "AA" Alkaline or rechargeable Ni-MH batteries
- ◆ Battery Life (typical): 4 hours operation
- ◆ Warranty: 1 year (limited)

UPC	NO.
01628 2	DCS800

Pipe & Duct Recording Borescope

PIPE & DUCT VIDEO BORESCOPE INSPECTION SYSTEM – DPS16

Ideal for examining the interior of 2, 4 and 6 inch I.D. water and sewer pipes with the included probe centering accessories

FEATURES & BENEFITS:

- 72 ft. (22m) long probe with 1.1 in. (28mm) diameter camera head
- Eight super-bright white LEDs give probe 640 x 480 pixel (VGA) resolution; superior optics yield excellent depth of field of 0.4 in. (10mm) to infinity
- Includes H16 Handheld Recording Video Borescope Console
- Probe is water-tight to IP68 standard (depth of 50 ft./10m) and is flexible enough to make two 90° bends
- Stainless steel camera head is immune to bathroom toilet cleaner, unleaded gasoline, brake/transmission fluid and machine oil
- Steel probe reel is sturdy and dust-tight to IP65 standard, works vertically or horizontally, and holds DCS1600 console

INCLUDES:

- P16PIP Pipe & Duct Inspection Probe & Reel Set (includes ring and brushes for centering probe in 2 in., 4 in. and 6 in. pipes)
- Handheld Recording Video Borescope Console (General Part No. H16)
- 2-GB SD memory card
- RCA cable for viewing video and images on an NTSC monitor
- AC adapter/battery charger and cleaning cloth and liquid for the console
- Custom hard carrying case

SPECIFICATIONS:

◆ Camera-Tipped Probe:

- Diameter: 0.23 in. (6mm)
- Length: 72 ft. (22m)
- Material: Fiberglass
- Camera Head Diameter: 1.1 in. (28mm)
- Light Source: 8 white LEDs
- Depth of Field: 0.4 in. (10mm) to infinity
- Field of View: 150.8° (diagonal)
- Minimum Bending Radius: 6 in. (150mm)
- Waterproof Depth (IP68): 50 ft. (10m)
- Operating Temperature: 14° to 158°F (-10° to 70°C)
- Warranty: 1 year (limited)

Reel:

- Frame Diameter: 11.8 in. (300mm)
- Dust and Water Resistance: To IP65 standard
- Weight: 6.6 lb. (3kg)

Included Accessories:

Probe Centering Ring:
Inner Diameter: 1.1 in. (28mm)
Outer Diameter: 2 in. (50mm)

Small Probe Centering Brush:
Inner Diameter: 1.1 in. (28mm)
Outer Diameter: 4 in. (100mm)

Large Probe Centering Brush:
Inner Diameter: 1.1 in. (28mm)
Outer Diameter: 6 in. (150mm)

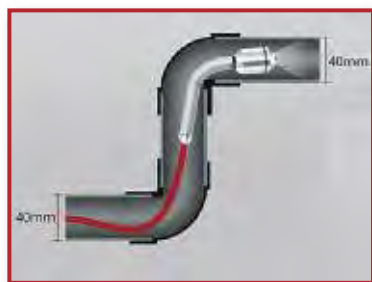
UPC	NO.
01597 7	DPS16
01578 0	P16PIP



A probe's-eye view of a filthy air-conditioning duct



A packaged DPS16 system



Eight super-bright white LEDs give the DPS16/ P16PIP probe 640 x 480 pixel (VGA) resolution



The DPS16/P16PIP probe is flexible enough to make two 90° bends in a 1.6 in. (40mm) diameter pipe

P16PIP

Probe, reel, ring and brushes are available separately as P16PIP.

P16PIP is compatible with all systems and system components shown in the chart on pp. 6 – 7



DPS16

High-Performance Wireless Recording Video Borescope System

Features slim 5.5mm diameter probe, 3.5 in. color monitor and powerful ability to record video, still images and sound. Optional ultra-slim, multi-view and articulating probes available.

Applications:

- Government, Military, Security
- Infrastructure Inspection and Maintenance
- Aircraft Maintenance and Inspection
- Automotive Maintenance
- MRO / Industrial Inspection
- Inspection of Complex Machinery
- Oil, Power and Petro Industry Inspection Applications
- Inspection of Tooling Dies

Features:

- 3.5 in. (88.9mm) extra-wide, color TFT monitor with super sharp clarity
- Records audio, video and still images with instant playback review
- Wireless image and video transfer
- Comes with a 1m (3.28 ft.) long, 5.5mm (0.22 in.) diameter, flexible-obedient probe that retains its shape. Depth of field is 0.25 to 12 in. (6.4 to 300mm)
- Optional probes include: 3.9mm diameter x 1m long ultra-slim probe, 4.9mm x 1m long switchable front/side view probe and 6.0mm x 1m long articulating probe
- All probes feature adjustable super-strength white LED lights inside the tip for optimized illumination
- All probes are water, oil, dust and scratch resistant to IP67 standards
- 3 interchangeable mirrored viewing tips provide extra-wide viewing angles of 70°, 90°, 110°
- Multiple language menu
- AV out allows for TV monitor and computer interfaces
- Rechargeable internal batteries

Benefits:

- Wireless imaging allows inspection results to be sent to a larger screen up to 150 ft. away for team-based analysis
- Wireless camera probe enables access to otherwise inaccessible places
- Ultra slim probes with powerful video camera and LED lights in the tip enable user to inspect the tiniest spaces
- Optional 3.9mm (0.15 in.) diameter camera tipped probe is the slimmest on the market and can fit into the spark plug hole of any engine, as well as into diesel injector ports
- View findings in real time or record video and still images for output later
- Rechargeable batteries can record for 4 hours and will help you stay "Green"
- Interchangeable accessories provide additional function
- More value for your investment



DCS1800



Includes:

Custom Hard Case, 5.5mm Diameter x 1m Long Flexible-Obedient Probe, 2GB SD Card, RCA Cable, 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°), LCD Cleaning Cloth, AC Adapter/Charger, 2 Rechargeable Batteries, User's Manual, 1 Year Warranty (limited)

UPC

01297 0

01417 2

NO.

DCS1800

DCS1800ART (see page 12)

DCS1800, DCS1800ART, DCS1600, DCS1600ART Specifications:

DCS1800 and DCS1600 come with: 5.5mm (0.22 in.) Diameter x 1m (3.28 ft.) long camera probe

DCS1800ART and DCS1600ART come with: 6mm (0.24 in.) Diameter x 1m (3.28 ft.) long articulating camera probe

Depth of Field (DOF): 0.25 to 12 in. (6.4 to 300mm)

Probe Feature: Water, Oil & Dust resistant to IP67 standards

Field of View: Horizontal field angle 46°
Vertical field angle 34° Diagonal field angle 56°

Optional 5.5mm Probe Lengths:
2m, 3m, 5m, 10m, 30m

Additional Optional Probes:

- 3.9mm diameter x 0.75m (2.5 ft.) long ultra-slim probe
- 4.9mm diameter x 1m long switchable front/side view probe
- 6.0mm diameter x 1m long articulating probe

Display: 3.5 in. (88.9mm) Color TFT

Recording Resolution: 320 x 240 pixels (video);
640 x 480 pixels (still images)

Audio: (DCS1800 Only) Integrated microphone

Wireless Transceiver Frequencies: (DCS1800 Only)
2414MHz, 2432MHz, 2450MHz, 2468MHz

System Power: Battery: Rechargeable Li-Polymer
Battery (3.7V) Adapter/Charger Supply: 120VAC
@ 60 Hz or 240VAC @ 50 Hz

Power Consumption: 1.8A @ 5.5VDC

Recording Medium: 2GB SD Card

High-Performance Recording Video Borescope System

Features slim 5.5mm diameter probe, 3.5 in. color monitor and powerful recording capability. Optional ultra-slim, multi-view and articulating probes available.



Applications:

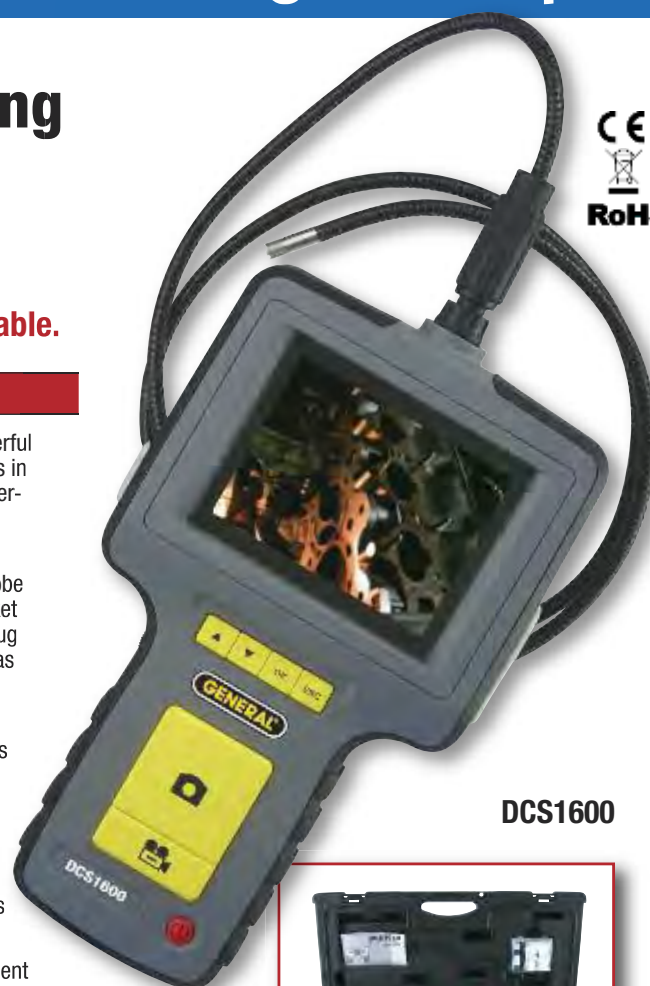
- Aircraft Maintenance and Inspection
- Military, Security, Law Enforcement
- Automotive / Diesel Maintenance
- Other High Level Inspection

Benefits:

- Ultra-slim probes with powerful video camera and LED lights in the tip enable access to otherwise inaccessible places
- Optional 3.9mm (0.15 in.) diameter camera-tipped probe is the slimmest on the market and can fit into the spark plug hole of any engine, as well as into diesel injector ports
- View findings in real time or record video and still images for output later
- Rechargeable batteries can record for 4 hours and will help you stay "Green"
- Interchangeable accessories provide additional function
- More value for your investment

Features:

- 3.5 in. (88.9mm) extra-wide, color TFT monitor with super sharp clarity
- Records video and still images with instant playback review
- Comes with a 1 m (3.28 ft.) long, 5.5mm (0.22 in.) diameter, flexible-obedient probe that retains required shape. Depth of field is 0.25 to 12 in. (6.4 to 300mm)
- Optional probes include: 3.9mm diameter x 1 m long ultra-slim probe, 4.9mm x 1 m long switchable front/side view probe and 6.0mm x 1 m long articulating probe
- All probes feature adjustable super-strength white LED lights inside the tip for optimized illumination
- All probes are water, oil, dust and scratch resistant to IP67 standards
- 3 interchangeable mirrored viewing tips provide extra wide viewing angles of 70°, 90°, 110°
- Multiple language menu
- TV monitor and USB computer interfaces
- Rechargeable internal battery



DCS1600



Includes:

Custom Hard Case, 5.5mm Diameter x 1m Long Flexible-Obedient Probe, 2GB SD Card, RCA Cable, USB Cable, 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°), LCD Cleaning Cloth, AC Adapter/Charger, Rechargeable Battery, User's Manual, 1 Year Warranty (limited)

UPC

NO.

01305 2
01416 5

DCS1600
DCS1600ART (see page 12)

DCS1800, DCS1800ART, DCS1600, DCS1600ART Specifications: (cont.):

Video Out Format: NTSC and PAL

Interface: AV Out on 1800 and 1600 systems.
USB also on 1600.

Compression Format: Compliant with MPEG4

Image Resolution: 640 x 480 Pixels

Video Resolution: 320 x 240 Pixels

Frame Rate: ~30 fps

Exposure: Automatic

White Balance: Fixed

S/N Ratio: 42dB or more

Languages: English, German, French, Spanish, Japanese, Italian, Traditional Chinese, Simplified Chinese

Operating Environment: -4° to 140°F (-20° to 60°C)

Storage Environment: -4° to 140°F
(-20° to 60°C)

Recharge Environment: 32° to 104°F
(0° to 40°C)

Interchangeable Options:

Set of 3 Mirrored Viewing Tips For All 5.5mm Probes except P16181/2/3HP
No. PM003 (70°, 90°, 110°)

High-Performance Video Borescope Systems with Articulating Probe



DCS1800ART

(The DCS1800 Receiving Console with the P18ART-1SM Probe)



DCS1600ART

(The DCS1600 Handheld Recording Console with the P16ART-1SM probe)

Applications:

Ideal for aircraft maintenance, machinery and production line inspection, petro-chemical and power plant inspection, general MRO and facility management

Features:

- One-handed articulation function allows user to turn the probe tip to inspect targets located at sides or at an angle while it is inside a tight space
- Turning knob and lock button are ergonomically engineered
- Durable materials and construction: all components pass 60,000 cycle test

Specifications:

Articulation Angle: 2 way

Articulation Sweep: 0 to $\pm 150^\circ$

Supplied Probe: 6mm (0.23 in.) diameter x 1m (3.28 ft.) long, articulating soft metal probe



CE  RoHS

DCS1600 Handheld Recording Console

Add any QVGA (320 x 240 pixel) or VGA (640 x 480 pixel) resolution probe from General to create a high-performance video borescope inspection system

Features & Benefits:

- View hard-to-see and hard-to-reach areas on 3.5 in. (88.9mm) diagonal color monitor
- Record .avi video clips and .jpeg still images on removable SD cards. Review them instantly on-screen or later on your PC.
- Familiar menu/sub-menu user interface in choice of five languages
- Rechargeable Li-ion battery lasts for four hours
- TV Out (NTSC or PAL format) and USB jacks

Applications:

- Aircraft/vehicle inspection, maintenance and repair activities
- Military, security/law enforcement tasks
- Video/photo documentation of conditions and work

Includes:

2GB SD Card, Video and USB Cables, Rechargeable Li-ion Battery, AC Adapter/Charger, Custom Protective Hard Case, User's Manual, 1 Year Warranty



H16

CE
RoHS

Wireless Probe Handle/Controller

Makes a DCS1800ART system compatible with a non-articulating probe or the P16HPART VGA Resolution Articulating Probe. (Does not include the DCS1800 Receiving Console.)

Includes:

1 Year Warranty

CE FC
RoHS



DCS1800-TR

From our affordable DCS050 to our feature-packed SEEKER™ 400 Series, this line of camera scopes is designed to appeal to everyone from experienced automotive mechanics and HVAC/R technicians to DIY weekend warriors.



DCS660
SeaScope™ 660 Waterproof
Recording Video Inspection
System (See Page 5)



DCS350
The SEEKER™ 350
Rugged Recording
Video Inspection
System
(See Page 16)



DCS400 Series
The SEEKER™ 400 Series Wireless
Recording Video Inspection
Systems (See page 19)



DCS600
SeaScope™ 600 Waterproof
Video Inspection System
(See Page 5)



DCS280
The SEEKER™ 280 Rugged
Video Inspection System
(see Page 17)



DCS300 Series
The SEEKER™ 300
Video Inspection Systems
(See page 19)

**SEEKER™
Probe
Diameters
(actual size)**

●
**5.5mm
(0.22 in.)**

●
**9.0mm
(0.35 in.)**

●
**12mm
(0.47 in.)**

SYSTEM	PRIMARY SYSTEM FEATURES	Waterproof Recording	Waterproof Non-recording	Rugged Recording	Rugged Non-recording	
	Model No.	DCS660	DCS600	DCS350	DCS280	
	System Name	SeaScope™ 660 Waterproof Recording Video Inspection System	SeaScope™ 600 Waterproof Video Inspection System	The SEEKER™ 350 Rugged Recording Video Inspection System	The SEEKER™ 280 Rugged Video Inspection System	
	Display	3.4 in. color LCD	3.4 in. color LCD	3.5 in. color LCD	2.4 in. color LCD	
	Records	Video and still images	—	Video and Still Images	—	
	Resolution (pixels)	Live video: 320 x 240 Still images: 720 x 480	Live video: 320 x 240	Live video: 320 x 240 Still images: 720 x 480	Live video: 320 x 240	
	Video Controls	4X Zoom, 180° rotation, Pan	4X Zoom, 180° rotation, Pan	4X Zoom, 180° rotation	2X Zoom, 180° rotation	
	Memory (capacity of included SD card)	2GB	—	2GB + 64MB Internal Flash Memory	—	
	Power Source	4 "AA" Batteries	4 "AA" Batteries	4 "AA" Batteries	4 "AA" Batteries	
	Limited Warranty Term	1 year	1 year	3 years	3 years	
SUPPLIED PROBE	Diameter	9.8mm	9.8mm	12mm	9mm	
	Type	Flexible-Obedient	Flexible-Obedient	Flexible-Obedient	Flexible-Obedient	
	Length	3.28 ft. (1m)	3.28 ft. (1m)	3.28 ft. (1m)	3.28 ft. (1m)	
	Field of View	54°	54°	60°	60°	
	Depth of Field	0.6 to 6 in.	0.6 to 6 in.	1 to 12 in.	1 to 12 in.	
	Resistance to Water and Dust	IP67 (entire unit)	IP67 (entire unit)	IP67 (Probe only) Unit is 1m drop-proof	IP67 (Probe only) Unit is 1m drop-proof	
	Light Source, Lens Material, Camera Head Material	4 LEDs, Glass, Anodized Aluminum	4 LEDs, Glass, Anodized Aluminum	2 LEDs, Plastic	4 LEDs, Glass, Anodized Aluminum	



DCS200 Series
The SEEKER™ 200 Series
Video Inspection Systems
(See page 19)



DCS100
The SEEKER™ 100
Wireless USB Video
Inspection System
(See page 18)



DCS050
The SEEKER™ 050
USB Video
Inspection System
(See page 18)

Probe Options for The SEEKER™ Video Inspection Systems

Model No.	UPC	Diameter	Length	Description
P230-1	01386 1	12mm (0.47 in.)	1m (3.28 ft.)	Flexible-Obedient Probe - Close Focus* ¹
P230-1F	01474 5	12mm (0.47 in.)	1m (3.28 ft.)	Flexible-Obedient Probe - Far Focus* ²
P230-1X	01387 8	12mm (0.47 in.)	1m (3.28 ft.)	Flexible-Obedient Probe Extension
P230-2X	01390 8	12mm (0.47 in.)	2m (6.6 ft.)	Flexible-Obedient Probe Extension
P230-3X	01391 5	12mm (0.47 in.)	3m (9.8 ft.)	Flexible-Obedient Probe Extension
P495-1N	01423 3	9mm (0.35 in.)	1m (3.28 ft.)	Flexible-Obedient Probe
P495-2N	01467 7	9mm (0.35 in.)	2m (6.6 ft.)	Flexible-Obedient Probe
P495-3N	01468 4	9mm (0.35 in.)	3m (9.8 ft.)	Flexible-Obedient Probe
P455-1N	01466 0	5.5mm (0.22 in.)	1m (3.28 ft.)	Flexible-Obedient Probe
P455-2N	01469 1	5.5mm (0.22 in.)	2m (6.6 ft.)	Flexible-Obedient Probe
P455-3N	01470 7	5.5mm (0.22 in.)	3m (9.8 ft.)	Flexible-Obedient Probe

*1-General's 12mm close-focus probe has a defined depth of field of 0.25 to 4 in. (6.4 to 101.6mm)

*2-General's 12mm far-focus probe has a minimum focal distance of 4 in. (101.6mm) and is in focus from there to 8 ft. (2.4m)

Accessories for The SEEKER™ Video Inspection Systems

Model No.	UPC	Diameter	Description
RCV100	01446 2	—	Wireless USB Video Receiver for The SEEKER™ 100 & 400 Systems
ADP05V	01497 4	—	Car charger for DCS400 and DCS100 series
PT12	01559 9	12mm (0.47 in.)	Mirror, magnet and hook accessories for DCS200, DCS300 and DCS400
PT9	01560 5	9mm (0.35 in.)	Mirror, magnet, hook and thread protector accessories for DCS200-09 and DCS400-09
PT5	01561 2	5.5mm (0.22 in.)	Mirror, guide ball and thread protector accessories for DCS200-05, DCS355 and DCS400-05

	Wireless Recording Video Over Internet	Utility Non-Recording	Utility Non-Recording	Wireless USB Video Over Internet	Utility USB
	DCS400 DCS400-09 DCS400-05	DCS300 DCS355	DCS200 DCS200-09 DCS200-05	DCS100	DCS050 DCS050-09
	The SEEKER™ 400 Series Wireless Recording Video Inspection Systems	The SEEKER™ 300 Series Video Inspection Systems	The SEEKER™ 200 Series Video Inspection Systems	The SEEKER™ 100 Wireless USB Video Inspection System	The SEEKER™ 050 Series USB Video Inspection Systems
	3.5 in. color LCD	3.5 in. color LCD	2.4 in. color LCD	User's computer	User's computer
	Video and still images	—	—	Video and still images	Video and still images
	Live video: 320 x 240 (DCS400, DCS400-09, 160 x 120 (DCS400-05) Still images: 720 x 480	Live video: 320 x 240 (DCS300), 160 x 120 (DCS355)	Live video: 320 x 240 (DCS200), 160 x 120 (DCS200-05)	Live video: 640 x 480 Still images: 640 x 480	Live video: 640 x 480, Still images: 640 x 480
	4X Zoom, 180° rotation	2X Zoom, 180° rotation	2X Zoom, 180° rotation	Via user's computer	Via user's computer
	2 GB	—	—	—	—
	Rechargeable Li-ion Battery A/C Adapter/Charger	1 "9V" Battery	1 "9V" Battery	Rechargeable Li-ion Battery A/C Adapter/Charger	No battery needed
	3 years	3 years	3 years	1 year (hardware only)	1 year (hardware only)
	DCS400 - 12mm DCS400-09 - 9mm DCS400-05 - 5.5mm	DCS300 - 12mm DCS355 - 5.5mm	DCS200 - 12mm DCS200-09 - 9mm DCS200-05 - 5.5mm	12mm	DCS050 - 12mm DCS050-09 - 9mm
	Flexible-Obedient	Flexible-Obedient	Flexible-Obedient	Flexible-Obedient	Flexible-Obedient
	3.28 ft. (1m)	3.28 ft. (1m)	3.28 ft. (1m)	3.28 ft. (1m)	3.28 ft. (1m)
	60°	60°	60°	60°	60°
	DCS400 - 1 to 12 in. DCS400-09 - 1 to 12 in. DCS400-05 - 0.25 to 4 in.	DCS300 - 4 in. to 8 ft. DCS355 - 0.25 to 4 in.	DCS200 - 4 in. to 8 ft. DCS200-09 - 1 to 12 in. DCS200-05 - 0.25 to 4 in.	4 in. to 8 ft.	DCS050 - 4 in. to 8 ft. DCS050-09 - 1 to 12 in.
	IP67 (Probe only)	IP67 (Probe only)	IP67 (Probe only)	IP67 (Probe only)	IP67 (Probe only)
	2 LEDs, Plastic (DCS400); 4 LEDs, Glass, Anodized Aluminum (DCS400-09, DCS400-05)	2 LEDs, Plastic (DCS300); 4 LEDs, Glass, Anodized Aluminum (DCS355)	2 LEDs, Plastic (DCS200); 4 LEDs, Glass, Anodized Aluminum (DCS200-09, DCS200-05)	2 LEDs, Plastic	2 LEDs, Plastic (DCS050); 4 LEDs, Glass, Anodized Aluminum (DCS050-09)

**SEEKER™
Probe
Diameters
(actual size)**

●
**5.5mm
(0.22 in.)**

●
**9.0mm
(0.35 in.)**

●
**12mm
(0.47 in.)**

NEW!

RUGGED RECORDING VIDEO INSPECTION SYSTEM – DCS350

Ideal for rugged recording with voice annotation, internal memory and removable SD card

FEATURES & BENEFITS:

- Includes long (1m/39 in.), thin (12mm/0.47 in.) diameter, flexible-obedient camera-tipped probe for looking deep into tight spaces. Also available are longer and thinner (9mm and 5.5mm) probes, and probe extensions that extend inspection range to 16 ft. (5m).
- All probes and extensions are oil, water and dust-proof to IP67 standard. The DCS350's grip and monitor are double-molded, making them drop-proof to 1m (39 in.) height and IP54 splash-proof.
- Has a 64MB internal memory for added versatility and convenience
- Has a built-in microphone to enable voice annotation of video recordings
- Also includes a 2GB MicroSD card (upgradeable to 16GB), and a USB jack to facilitate photo and video transfer
- 3.5 in. (89mm) diagonal color LCD shows crystal-clear videos and images
- One-button video start/stop and photo capture
- Image flip and 1 - 4X zoom buttons
- Two adjustable LEDs illuminate dark areas
- TV Out jack and included cable send video and images to larger monitor
- Includes three probe tip accessories (magnetic pickup, pickup hook and 45° mirror)
- Adjustable Auto Power Off interval
- Comes in custom molded hard carrying case
- Powered by Alkaline or rechargeable "AA" batteries
- Choice of five menu languages
- 3 Year Warranty

SPECIFICATIONS:

- ◆ Display Size/Type: 3.5 in. (89mm) diagonal TFT color LCD
- ◆ Display Resolution: 320 x 240 pixels
- ◆ Monitor Controls: 180° flip, 1 to 4X zoom in 0.5 steps, brightness + and -, start/stop video recording, take picture
- ◆ Probe Diameter/Type: 12mm (0.47 in.) flexible-obedient
- ◆ Probe Length: 1m (39 in.)

- ◆ Probe Field of View: 60°
- ◆ Probe Depth of Field: 1 to 12 in. (25 to 300mm)
- ◆ Camera Light Source: 2 adjustable-brightness white LEDs
- ◆ Impact Resistance: To height of 1m (39 in.)
- ◆ Water, Dust, Splash Resistance Levels: Camera-tipped probe designed to meet IP67; Grip and monitor designed to meet IP54
- ◆ Operating Temperature/Humidity: 32° to 113°F (0° to 45°C) @ 5 to 95% RH
- ◆ Internal Flash Memory Capacity: 64MB
- ◆ Maximum SD Card Capacity: 16GB
- ◆ Video Compatibilities: NTSC and PAL
- ◆ Video Resolution/File Type: 320 x 240 pixels/.avi
- ◆ Still Image Resolution/File Type: 640 x 480 pixels/.jpg
- ◆ PC Interface: USB2.0
- ◆ Menu Languages: English, French, Spanish, Portuguese, Mandarin Chinese
- ◆ Dimensions of Grip: 10.6 x 3.0 x 4.0 in. (270 x 75 x 100mm)
- ◆ Weight of Grip: 1 lb. (454g)
- ◆ Power Source: 4 "AA" or rechargeable batteries (included)
- ◆ Warranty: 3 years (limited)

INCLUDES:

- 1m (39 in.) Long, 12mm (0.47 in.) Diameter Camera-tipped Probe, Wand-type Grip and 3.5 in. (89mm) Color LCD
- 2GB MicroSD Card
- Three Probe Tip Accessories (Magnetic Pickup, Pickup Hook, 45° Mirror)
- ScopeView Video/Image Display Software + Driver on Mini-CD
- 4 "AA" Batteries
- Custom Hard Case
- User's Manual

UPC	NO.
01582 7	DCS350

DCS350



Inspecting a crawl space the quick and easy way



Avoid the time and hassle of engine teardowns



Find blockages or broken registers in A/C ductwork

RUGGED NON-RECORDING VIDEO INSPECTION SYSTEM – DCS280

Ideal for real time and non-recorded applications

FEATURES & BENEFITS:

- Big, bright color LCD for crystal-clear real-time video imaging
- 9mm (0.35 in.) diameter x 1m (39 in.) long camera-tipped probe is thin enough to fit into very narrow spaces
- 2m and 3m long, 9mm diameter probes are available
- Super thin 5.5mm dia. probes in 1m, 2m and 3m lengths are also available
- All probes are oil, water and dust-proof to IP67 standard. The DCS280's wand-type grip and monitor are IP54 splash-proof.
- Four adjustable LEDs in camera head illuminate dark areas
- Unit is drop-resistant to 1m height and comes in a protective hard case
- Invert what you see 180° to read labels right-side up and ZOOM video up to 200% to show details
- Pays for itself quickly: Avoid the cost and trouble of tearing down engines
- One-handed operation frees your other hand to use tools
- AV Out jack enables video connection to any NTSC television
- Includes four useful probe tip accessories
- 3 year limited warranty

APPLICATIONS:

- Inspecting cylinders, valves, diesel injectors and glow plugs
- Viewing behind body panels and under the dashboard for electrical wiring and connections problems
- Examining for corrosion and wear in hard-to-see areas
- Inspecting fluid lines and leaks

INCLUDES:

- Video Inspection System with Wand-type Grip and 2.4 in. (61mm) Color LCD
- 1m (39 in.) Long, 9mm (0.35 in.) Diameter Flexible-obedient Probe
- Four Probe Tip Accessories (Thread Protector, Magnetic Pickup, Pickup Hook, 45° Mirror)
- 4 "AA" Batteries
- Custom Hard Case
- User's Manual

SPECIFICATIONS:

- ◆ Display Size/Type: 2.4 in. (61mm) diagonal TFT color LCD
- ◆ Display Resolution: 320 x 240 pixels
- ◆ Monitor Controls: 180° flip, 1 to 2X zoom in 0.2 steps, brightness + and –
- ◆ Probe Diameter/Type: 9mm (0.35 in.) flexible-obedient
- ◆ Probe Length: 1m (39 in.)
- ◆ Probe Field of View: 60°
- ◆ Probe Depth of Field: 1 to 12 in. (25 to 300mm)
- ◆ Camera Light Source: 4 adjustable-brightness white LEDs
- ◆ Impact Resistance: To height of 1m (39 in.)
- ◆ Water, Dust, Splash Resistance Levels: Camera-tipped probe designed to meet IP67; Grip and LCD designed to meet IP54
- ◆ Operating Temperature/Humidity: 32° to 113°F (0° to 45°C) @ 5 to 95% RH
- ◆ Dimensions of Console: 10 x 3.6 x 2.3 in. (254 x 91 x 58mm)
- ◆ Weight of Console: 1 lb. (454g)
- ◆ Dimensions of Case: 15 x 11 x 3.5 in. (381 x 279 x 89mm)
- ◆ Weight of Case and Contents: 4 lb. (1.8 kg)
- ◆ Power Source: 4 "AA" batteries (included)
- ◆ Warranty: 3 years (limited)

UPC NO.
01572 8 DCS280



Long, thin probe reaches deep into tight spaces



DCS280



The rugged DCS280 shrugs off the accidental bumps typical of industrial work



Any splashes from this wastewater plant would roll off the DCS280's back



Perfect for driveway mechanics



DCS050

**THE SEEKER™050 USB VIDEO INSPECTION SYSTEMS**

Features a 12mm (0.47 in.) or 9mm (0.35 in.) diameter, 1m long waterproof camera probe with a USB connection to view images and video on your computer.

FEATURES:

- USB computer interface
- Works with Windows® 7, Windows® Vista and Windows® XP†
- Very affordable
- High-resolution video and still images
- Adjustable light intensity from two built-in LEDs
- 1m (3.28 ft.) flexible-obedient probe retains configured shape to suit various applications
- Probe is water, oil and dust proof to IP67 standards

INCLUDES:

Scope Handle with Fixed 1m Long Flexible-Obedient Probe, User's Manual, 1 Year Limited Warranty (Hardware Only)

UPC	NO.	PROBE DIAMETER
01445 5	DCS050	12mm (0.47 in.)
01484 4	DCS050-09	9mm (0.35 in.)

†Windows® 7, Windows® Vista and Windows® XP are registered trademarks of Microsoft Corporation



DCS100

THE SEEKER™100 WIRELESS VIDEO INSPECTION SYSTEM

Wirelessly transmits video and images to your computer up to 33 feet away; included software enables streaming video for remote viewing over the Internet.

FEATURES:

- Built-in radio transmitter wirelessly transmits live video signal to the RCV100 USB video receiver up to 10m away, enabling the video to be viewed on a Windows PC and streamed live over the Internet
- Works with Windows® 7, Windows® Vista and Windows® XP†
- 12mm (0.47 in.) diameter, 1m (3.28 ft.) long, flexible-obedient, far focus*2 camera-tipped probe is water, oil and dust proof to IP67 standards
- Optional probe extensions of 1m, 2m, and 3m (3.28 ft., 6.56 ft., 9.84 ft.) are available for the 12mm probe
- In addition to the standard 12mm (0.47 in.) diameter far-focus*2 probe, the DCS100 handle can also accept optional 9.0mm (0.35 in.) and 5.5mm (0.22 in.) diameter close-focus*1 camera-tipped probes

- Adjustable light intensity from built-in LEDs
- Flexible-obedient probes retain configured shape

INCLUDES:

Custom Hard Case, Transmitter Handle with 12mm Diameter x 1m Long, Flexible-Obedient Probe, 3 Accessory Tools: (45° Mirror, Magnetic Pick-Up, Pick-Up Hook), RCV100 Wireless USB Video Receiver, USB Extension and Video Cables, Software on Mini-CD, User's Manual, 1 Year Limited Warranty (Hardware Only)

UPC	NO.	PROBE DIAMETER
01443 1	DCS100	12mm (0.47 in.)

*1—General's 12mm close focus probe has a defined depth of field of 0.25 to 4 in. (6.4 to 101.6mm)

*2—General's 12mm far focus probe has a minimum focal distance of 4 in. (101.6mm) and is in focus from there to 8 ft. (2.4m)



RCV100

WIRELESS USB VIDEO RECEIVER

Unique device wirelessly interfaces The Seeker™100 or The Seeker™400 Video Inspection System to any Windows computer via its USB2.0 port from up to 33 ft. away. Once the connection is made, real-time inspection video and still images captured by the Seeker can be viewed and stored on the PC. Skype™-enabled ScopeView™ media management software included with the RCV100 allows inspection video to be streamed over the Internet to support videoconferencing and remote diagnostics.

FEATURES:

- Skype-enabled streaming video receiver sends live video over the Internet
- Includes easy-to-use, powerful software
- USB 2.0 interface
- Works with DCS100 and DCS400 series to enable remote video presentations and live video troubleshooting and training
- 4 channel selection, enabling the user to select uncluttered radio bands

INCLUDES:

Receiver, USB Extension Cable, Video Cable, Software on Mini-CD, User's Manual, 1 Year Limited Warranty

UPC	NO.
01446 2	RCV100

THE SEEKER™200 SERIES VIDEO INSPECTION SYSTEMS

Compact video camerascopes for the visual inspection of inaccessible areas.

FEATURES:

- View inspection video instantly on the 2.4 in. (60.9mm) color LCD
- Separate monitor buttons for 2x zoom and 180° image flip
- System includes a 1m (3.28 ft.) long, flexible-obedient, camera-tipped probe
- Probes are flexible, strong and slim enough to perform automotive engine check-up
- Flexible-obedient probes retain configured shape to suit different inspection needs
- Probes are water, oil and dust proof to IP67 standards
- Optional 12mm probe extensions of 1m, 2m, and 3m (3.28 ft., 6.6 ft., 9.9 ft.) are available for maximum extension of up to 5m (16 ft.)

INCLUDES:

Custom Hard Case, Pistol Grip Camera Handle with 1m Long, Flexible-Obedient Probe, 3 Accessory Tools, 1 "9V" Battery, Mini-Screwdriver, User's Manual, 3 Year Limited Warranty

UPC	NO.	PROBE DIAMETER
01372 4	DCS200	12mm (0.47 in.)
01494 3	DCS200-05	5.5mm (0.22 in.)
01482 0	DCS200-09	9mm (0.35 in.)



CE
DCS200



THE SEEKER™300 WIRELESS VIDEO INSPECTION SYSTEMS

Compact video camerascopes for the visual inspection of inaccessible areas.

FEATURES:

- View inspection video instantly on the 3.5 in. (88.9mm) color LCD screen
- Separate monitor buttons for 2x zoom and 180° image flip
- System includes a 1m (3.28 ft.) long, flexible-obedient, camera-tipped probe
- Camera-tipped probes have built-in adjustable LED lighting
- Probes are flexible, strong and slim enough to perform automotive engine check-up
- Interchangeable probes are water, oil and dust proof to IP67 standards

INCLUDES:

Custom Hard Case, Pistol Grip Camera Handle with 1m Long, Flexible-Obedient Probe, 3 Accessory Tools, 1 "9V" Battery, Mini Screwdriver, User's Manual, 3 Year Limited Warranty

UPC	NO.	PROBE DIAMETER
01373 1	DCS300	12mm (0.47 in.)
01472 1	DCS355	5.5mm (0.22 in.)



DCS300

CE



THE SEEKER™400 WIRELESS RECORDING VIDEO INSPECTION SYSTEMS

Wireless interface with optional RCV100 module enables streaming of live inspection video over the Internet.

FEATURES:

- 3.5 in. (88.9mm) diagonal TFT-LCD Wireless Color Monitor can be detached from the unit for remote viewing up to 10m (33 ft.) away
- Monitor features 4x zoom and 180° image flip features
- System includes a 1m (3.28 ft.) long, flexible-obedient, camera-tipped probe
- Both monitor and handle use rechargeable Lithium-Ion batteries which can be charged at the same time using the included one-into-two charging cable
- View inspection video in real time, record video and capture/save still photos as JPEGs with instant playback review. Up to 3 hours of video (AVI)
- NTSC or PAL compatible
- Built-in magnets and stand facilitate hands-free operation
- Choice of 5 menu languages: English, French, Spanish, Chinese and Portuguese
- Interchangeable probes in multiple sizes

INCLUDES:

Custom Hard Case, Pistol Grip Camera Handle with 1m Long, Flexible-Obedient Probe, Detachable Wireless Monitor, 2GB Micro SD Memory Card, 3 Accessory Tools, USB and Video Interconnect Cables, Built-in Magnets, 2 Lithium-Ion Rechargeable Batteries with AC Adapter/Charger, User's Manual, 3 Year Limited Warranty

UPC	NO.	PROBE DIAMETER
013717	DCS400	12mm (0.47 in.)
01447 9	DCS400-05	5.5mm (0.22 in.)
01426 4	DCS400-09	9mm (0.35 in.)



CE FC

DCS400



Cold or hot . . . it matters not . . . to General's extended family of point-and-shoot infrared thermometers. From our affordable IRT105 to our 12:1 (D:S) IRT657 and IRT659K, there's an IRT with your name and application on it. Just pick a Distance-to-Spot ratio and a temperature range and begin firing away.



IRT207
Mid-Range
8:1 D:S

IRTC50
Energy Audit
8:1 D:S

IRT657
Wide Range
12:1 D:S

IRT659K
Dual Sensor
Adj. Emissivity
12:1 D:S

IRT105
Pocket Sized
6:1 D:S

SPECIFICATIONS

MODEL NO.	THERMO SEEKER™ IRT105	HEAT SEEKER™ IRT207	THERMO SEEKER™ IRTC50	WIDE RANGE IRT657	DUAL SENSOR IRT659K
Name	6:1 Pocket Infrared Thermometer	8:1 Mid-Range Infrared Thermometer	Energy Audit IR Thermometer/Scanner with Star Burst Laser Targeting	12:1 Wide-Range Infrared Thermometer with Star Burst Laser Targeting	12:1 Infrared Thermometer with "K" Type Thermocouple and Adjustable Emissivity
Temperature Measurement Range	-22° to 482°F (-30° to 250°C)	-4° to 604°F (-20° to 317°C)	-40° to 428°F (-40° to 220°C)	-40° to 1076°F (-40° to 580°C)	IRT: -58° to 1202°F (-50° to 650°C); "K" Port: -146° to 2498°F (-99° to 1370°C)
Distance to Spot Ratio	6:1	8:1	8:1	12:1	12:1
Resolution	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	±2% of reading or ±5°F/±3°C (max), whichever is greater	±2% of reading or ±4°F/±2°C (whichever is greater)	±2% of reading or ±3°F (2°C) (when T > 32°F) ±3% of reading or ±5°F (3°C) (when T ≤ 32°F)	±3°F (2°C) or ±2% of reading	IRT: ±3°F (2°C) or ±2% of reading above 32°F (0°C); ±4°F (3°C) or ±3% of reading below 32°F; "K" type thermocouple: ±1° (F or C)
Emissivity	Adjustable from 0.1 to 1.0 in 0.01 steps	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95	Adjustable from 0.1 to 1.0 in 0.01 steps
Display	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD
Laser Targeting	Yes	Yes	Yes	Yes	Yes
Auto Power Off	Yes	Yes	Yes	Yes	Yes
Other Important Features	Min/Max Measurement Mode Measurement Lock Mode	Data Hold	Green/red/blue indication of normal/hot/cold 1°, 5° or 10°F setpoint bandwidth Star Burst Laser Targeting Data Hold	Low Battery indication Over-range indication Star Burst Laser Targeting	Automatically stores last 10 readings, Displays Min/Max/Avg/Dif session values, Settable high and low temperature alarms, Star Burst Laser Targeting
Accessories Included	Wrist strap "9V" battery User's manual, 1 year warranty	"9V" battery User's manual, 1 year warranty	"9V" battery User's manual, 1 year warranty	1 "9V" battery User's manual Soft carrying pouch, 1 year warranty	"K" type thermocouple with 0° to 500°F (-18° to 260°C) range, "9V" battery, nylon pouch, user's manual, 1 year warranty

Infrared Thermometers

6:1 POCKET INFRARED THERMOMETER – IRT105

Ideal for spot-checking the temperature of substances and surfaces from a distance. Perfect for electrical troubleshooting and HVAC equipment maintenance.

FEATURES:

- Optimized measurement range
- Accuracy of $\pm 3^{\circ}\text{F}$ or 2% above 32°F
- Adjustable emissivity
- Fast response time
- Max/Min measurement and measurement lock modes
- Selectable $^{\circ}\text{F}$ or $^{\circ}\text{C}$ unit
- Large LCD
- Separate batteries for thermometer and laser
- Small and light and easy to use
- CE approved

SPECIFICATIONS:

- Distance-To-Spot (D:S) Ratio: 6:1
- Temperature Measurement Range: -22° to 482°F (-30° to 250°C)
- Measurement Accuracy: $\pm 3^{\circ}\text{F}$ (2°C) or 2% of reading (whichever is greater) above 32°F (0°C); $\pm 5^{\circ}\text{F}$ (3°C) or 2% of reading (whichever is greater) below 32°F

- Emissivity: Adjustable from 0.1 to 1
- Response Time: 500 msec for 95% response
- Laser Class/Power/Wavelength: Class II/ $<1\text{mW}$ /630 to 660nm
- Thermometer Battery Life: 50 hours, typical
- Operating Temperature: 32° to 104°F (0° to 40°C) @ $<75\%$ relative humidity
- Dimensions: 4.25 x 2.05 x 0.98 in. (108 x 52 x 25mm)
- Weight: 1.41 oz. (40g)
- Power Source: 2 "CR2032" Li-ion batteries
- Warranty: 1 year (limited)

INCLUDES:

- Wrist strap
- Batteries
- User's manual

UPC	NO.
20196 1	IRT105



CE

IRT105

THE HEAT SEEKER™ 8:1 MID-RANGE INFRARED THERMOMETER – IRT207

Ideal for most applications in HVAC/R, plumbing and heating, electrical, automotive and other industrial jobs.

FEATURES:

- Rugged and ergonomic design
- Backlit LCD display
- Sighting laser can be turned off
- $^{\circ}\text{F}/^{\circ}\text{C}$ selectable
- CE, RoHS, WEEE approved

SPECIFICATIONS:

- Distance to Spot (D:S) Ratio: 8:1
- Measurement Range: -4° to 608°F (-20° to 320°C)
- Measurement Accuracy: $\pm 4^{\circ}\text{F}$ or 2% of reading, whichever is greater
- Emissivity: Fixed at 0.95
- Resolution: 0.5°F / 0.5°C
- Operating Temperature: 32° to 122°F (0° to 50°C) @ 10 to 90% RH

- Storage Temperature: 14° to 140°F (-10° to 60°C)
- Dimensions: 6.14 x 3.95 x 1.26 in. (156 x 100 x 32mm)
- Weight: 6 oz. (135g)
- Power Source: 1 "9V" battery (included)
- Warranty: 1 year (limited)

INCLUDES:

- Battery
- User's manual

UPC	NO.
01403 5	IRT207



CE

RoHS

IRT207

12:1 WIDE-RANGE INFRARED THERMOMETER – IRT657

Ideal for isolating overheated electrical components and hot spots, troubleshooting HVAC/R and automotive systems, or performance-testing motors and boilers.

FEATURES:

- Wide measurement range of -40° to 1076°F (-40° to 580°C)
- Accuracy of $\pm 3^{\circ}\text{F}$ (2°C) or $\pm 5^{\circ}\text{F}$ (3°C), depending on temperature
- Large (1.6 in. diagonal) backlit LCD

SPECIFICATIONS:

- Distance-To-Spot (D:S) Ratio: 12:1
- Temperature Measurement Range: -40° to 1076°F (-40° to 580°C)
- Emissivity: Fixed at 0.95
- Measurement Accuracy: $\pm 3^{\circ}\text{F}$ (2°C) or $\pm 2\%$ of reading above 32°F (0°C); $\pm 5^{\circ}\text{F}$ (3°C) or $\pm 2\%$ of reading below 32°F (0°C)
- Response Time: 500 msec for 95% response

- Display Size and Type: 1.6 in. (40.6mm) diagonal LCD
- Operating Temperature: 32° to 104°F (0° to 40°C) @ $<75\%$ relative humidity (RH)
- Storage Temperature: -4° to 140°F (-20° to 60°C) @ $<85\%$ RH
- Dimensions: 6.9 x 3.6 x 1.5 in. (175 x 91.5 x 38mm)
- Weight: 5.93 oz. (168g)
- Power Source: 1 "9V" battery (included)
- Warranty: 1 year (limited)

INCLUDES:

- Carrying case
- Battery
- User's manual

UPC	NO.
01480 6	IRT657

IRT657
Patent Pending



IRT659K

CE
RoHS

IRT50

Patent Pending

**12:1 INFRARED THERMOMETER WITH "K" TYPE THERMOCOUPLE & ADJUSTABLE EMISSIVITY – IRT659K**

Ideal for isolating overheated electrical components and hot spots, troubleshooting HVAC/R and automotive systems, and performance-testing motors and boilers.

FEATURES:

- Automatically holds measurements
- Automatically stores last 10 readings for recall
- Displays Min/Max/Avg/Dif temperatures captured during each scanning session
- Settable high and low temperature alarms
- °C/°F and laser pointer on/off switches

SPECIFICATIONS:

- ◆ Distance-to-Spot (D:S) Ratio: 12:1
- ◆ IR Temperature Measurement Range: -58° to 1202°F (-50° to 650°C)
- ◆ IR Temperature Measurement Accuracy: ±3°F (2°C) or ±2% of reading (whichever is greater) above 32°F (0°C); ±4°F (3°C) or ±3% of reading (whichever is greater) below 32°F
- ◆ "K" Port Measurement Range: -146° to 2498°F (-99° to 1370°C)
- ◆ Included "K" Type Thermocouple Range/Accuracy: 0° to 500°F (-18° to 260°C)/±1° (F or C)
- ◆ Display Resolution: 1° (F or C)

- ◆ Emissivity: Adjustable from 0.1 to 1.0 in 0.01 steps, with default of 0.95
- ◆ Display Size & Type 1.5 in. (38mm) diagonal backlit LCD
- ◆ Response Time: 500 ms
- ◆ Laser Power: Class II (<3mW)
- ◆ Operating Temperature: 32° to 104°F (0° to 40°C) @ 10 to 75% RH, non-condensing
- ◆ Auto Power Off Trigger: 30 seconds of inactivity
- ◆ Dimensions: 5.31 x 1.65 x 6.81 in. (135 x 42 x 173mm)
- ◆ Weight: 6.93 oz. (168g) (without battery)
- ◆ Power Source: (1) "9V" battery (included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- "K" type thermocouple probe
- Soft carrying case
- Battery
- User's manual

UPC	NO.
01598 8	IRT659K

8:1 ENERGY AUDIT IR THERMOMETER/SCANNER WITH STAR BURST LASER TARGETING – IRTC50

Ideal for energy auditors, building inspectors, HVAC technicians, electricians, manufacturing technicians, food processing inspectors and homeowners.

FEATURES:

- Set-point band options of 1°, 5° and 10°F (0.5°, 3°, 5.5°C)
- Red or blue light and fast or slow buzzer signal when the target temperature is above or below the reference temperature ± the set-point
- Fast response time of 0.5 seconds
- Unique Star Burst laser targeting system helps approximate the target spot size
- Large backlit LCD
- Automatic temperature "hold" when the trigger is released
- Display and backlight turn off after 15 seconds of inactivity
- Auto-power off after 60 seconds of inactivity
- CE and ROHS approved

SPECIFICATIONS:

- ◆ Distance to Spot Ratio: 8:1
- ◆ Measurement Range: -40° to 428°F (-40° to 220°C)
- ◆ Measurement Accuracy: ±4°F/C or ±2% of reading above 32°F (0°C); ±3°F/C or ±3% of reading below 32°F (0°C)
- ◆ Resolution: 1°F (0.5°C)
- ◆ Emissivity: Fixed at 0.95
- ◆ Response Time: 0.5 seconds
- ◆ Operating Temperature: 32° to 104°F (0° to 40°C)
- ◆ Storage Temperature: -20° to 122°F (-29° to 50°C)
- ◆ Operating Humidity: 10 to 90%
- ◆ Dimensions: 5.31 x 1.65 x 6.81 in. (135 x 42 x 173mm)
- ◆ Weight: 6.24 oz. (117g) without battery
- ◆ Power Source: 1 "9V" battery (included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Battery
- User's manual

UPC	NO.
01442 4	IRTC50



DIGITAL JUMBO DISPLAY SERVICE THERMOMETER – PT300M

Ideal for use in labs, industrial control and HVAC applications.

FEATURES:

- Wide measurement range
- Displays ambient temperature and temperature from remote probe
- °F or °C display
- Min/Max memory + data hold
- Audible and visual alarm set points
- Stainless steel probe is immersible in water
- Clock displays hours and minutes
- Sensor wire compartment
- CE approved

SPECIFICATIONS:

- ◆ Measurement Range: -58° to 572°F (-50° to 300°C)

- ◆ Measurement Accuracy: $\pm 1.8^{\circ}\text{F}$ ($\pm 1^{\circ}\text{C}$)
- ◆ Response Time: 1 second
- ◆ Probe Length: 5.125 in.
- ◆ Operating Temperature: 14° to 122°F (-10° to 50°C)
- ◆ Dimensions: 6 x 1.8 x 0.7 in. (152 x 46 x 18mm)
- ◆ Weight: 4 oz. (114g)
- ◆ Power Source: 1 “AAA” battery (included)

INCLUDES:

- Wrist strap

UPC	NO.
21060 4	PT300M



PT300M

DIGITAL THERMOMETER – DPT301FC

Ideal for automotive, heating and refrigeration.

FEATURES:

- Instant read
- °F/°C selectable
- Food safe
- 4.5 in. stainless steel stem
- Flat edge, non-roll case



SPECIFICATIONS:

- ◆ Measurement Range: -40° to 302°F (-40° to 150°C)
- ◆ Measurement Accuracy: $\pm 1.8^{\circ}\text{F}$ ($\pm 1^{\circ}\text{C}$)
- ◆ Probe Length: 4.5 in. (114mm)
- ◆ Dimensions: 11.00 x 5.25 x 1.25 in. (279 x 133 x 32mm)
- ◆ Weight: 2.55 oz. (72.29g)
- ◆ Power Source: 1 “LR44” battery (included)

UPC	NO.
20035 3	DPT301FC



DPT301FC

DELUXE DIGITAL STEM THERMOMETER – HDT304K

Ideal for automotive, heating and refrigeration.

FEATURES:

- °F/°C switch
- Data hold
- Stainless steel piercing probe
- Pocket clip
- Drop resistant

SPECIFICATIONS:

- ◆ Measurement Range: -58° to 302°F (-50° to 150°C)
- ◆ Measurement Accuracy: $\pm 1.8^{\circ}\text{F}$ ($\pm 1^{\circ}\text{C}$) from -22° to 302°F (-30° to 150°C); $\pm 4^{\circ}\text{F}$ ($\pm 2^{\circ}\text{C}$) elsewhere

- ◆ Response Time: 0.5 seconds
- ◆ Probe length: 3.8 in. (97mm)
- ◆ Auto Power Off: After 1 hour of inactivity
- ◆ Operating Temperature: 14° to 122°F (-10° to 50°C)
- ◆ Dimensions: 11.00 x 5.25 x 1.00 in. (279 x 133 x 26mm)
- ◆ Weight: 1.60 oz. (45.36g)
- ◆ Power Source: 1 “LR44” battery (included)

UPC	NO.
20005 6	HDT304K



HDT304K

ANALOG POCKET THERMOMETERS WITH MAGNIFYING LENS – 320, 321

Ideal for quick temperature readings.

FEATURES/SPECIFICATIONS:

- Rugged 5 in. (127mm) long, 0.14 in. (3.5mm) diameter stainless steel probe
- 1 in. (25.4mm) diameter dial with magnifying lens
- Measurement Range: -40° to 160°F (-40° to 71°C) for **320**; 0° to 220°F (-18° to 104°C) for **321**
- Measurement Accuracy: $\pm 5\%$

INCLUDES:

- Protective sheath with pocket clip

UPC	NO.
00320 1	320
22391 3	321



320
321

CE
RoHS



DT8852

DIGITAL THERMOCOUPLE THERMOMETER – DT8852

Ideal for measuring temperature differentials T1-T2.

FEATURES:

- Dual input
- Includes two “K” type thermocouples; also compatible with “T” type
- °F/°C switch
- Backlit LCD display
- Data hold + auto power off
- Low battery indicator
- RS-232 output for uploading data logs
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Measurement Range with “K” type Thermocouple: -328° to 2498°F (-200° to 1370°C)
- ♦ Measurement Accuracy: 0.1% (±1°F)

- ♦ Response Time: 1 sec.
- ♦ Dimensions: 7.16 x 2.83 x 1.18 in. (182 x 72 x 30mm)
- ♦ Weight: 7.8 oz. (220g)
- ♦ Power Source: 1 “9V” battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- 2 “K” type probes (TPK500)
- Molded hard case
- Battery

UPC	NO.
21012 3	DT8852



DT898P



JUMBO DISPLAY IN/OUTDOOR THERMOMETER – DT898P

Ideal for measuring and monitoring both indoor and outdoor temperature.

FEATURES:

- Jumbo triple LCD display
- Min/Max memory
- Outdoor probe is water-resistant
- 12 ft. cable with probe
- Wall mount or stand for desktop display
- 12/24 hour clock

SPECIFICATIONS:

- ♦ Measurement Range (Outdoor): -58° to 158°F (-50° to 70°C)
- ♦ Measurement Range (Indoor): 32° to 122°F (0° to 50°C)
- ♦ LCD Size: 2.4 x 1.6 in. (60 x 40mm)
- ♦ Dimensions: 4.2 x 2.6 x 0.9 in. (106 x 75 x 22mm)
- ♦ Weight: 4.8 oz. (135g)
- ♦ Power Source: 1 “AAA” battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Mounting accessories
- Battery

UPC	NO.
10012 7	DT898P



FT80H



HORIZONTAL REFRIGERATOR AND FREEZER THERMOMETER – FT80H

Ideal for hanging.

FEATURES:

- Stainless steel
- Horizontal reading
- Hanging or free standing
- Easy to read display
- °F/°C scales

SPECIFICATIONS:

- ♦ Measurement Range: -40° to 80°F (-40° to 27°C)
- ♦ Dimensions: 1.25 x 4.75 x 0.75 in. (32 x 121 x 19mm)

UPC	NO.
24015 1	FT80H



FT80R



REFRIGERATOR/FREEZER THERMOMETER – FT80R

Ideal for hanging.

FEATURES:

- Stainless steel
- Hanging or free standing
- Easy-to-read round dial
- °F/°C scales
- Color-coded temperature arcs

SPECIFICATIONS:

- ♦ Measurement Range: -20° to 80°F (-29° to 27°C)
- ♦ Dial Diameter: 2 in. (50.80mm)

UPC	NO.
24005 2	FT80R

Remote Sensing Thermometers

3 CHANNEL CAPABLE WIRELESS THERMOMETER WITH REMOTE – EMR813

Ideal for measuring and monitoring indoor and outdoor temperature.

FEATURES:

- Min/Max memory
- Programmable temperature alert
- °F/°C switch
- CE approved

SPECIFICATIONS:

- ◆ Measurement Range:
Indoor: 32° to 122°F (0° to 50°C)
Outdoor: -4° to 140°F (-20° to 60°C)
- ◆ Dimensions of Base:
3.8 x 2.4 x 0.2 in. (97 x 60 x 30mm)
- ◆ Weight of Base: 3 oz. (85g)

- ◆ Dimensions of Sensor:
3.6 x 2.6 x 0.9 in. (90 x 65 x 23mm)
- ◆ Weight of Sensor: 3 oz. (85g)
- ◆ Power Source: 2 “AAA” batteries (not included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- 1 remote sensor

UPC	NO.
60017 7	EMR813



EMR813

IN/OUT THERMOMETER WITH WATERPROOF PROBE – AQ150

Ideal for monitoring indoor/outdoor temperature.

FEATURES:

- Displays ambient or remote (IN or OUT) temperature
- Tracks MAX and MIN temperatures
- High and low remote temperature alarms
- °C/°F button
- Backlit LCD
- Foldaway stand
- Includes battery and mounting hardware
- Magnets on back
- Detachable sensor-tipped cable

SPECIFICATIONS:

- ◆ Ambient Temperature Range:
14° to 122°F (-10° to 50°C)
- ◆ Remote Temperature Range:
-58° to 158°F (-50° to 70°C)
- ◆ Measurement Accuracy: ±1°F (0.5°C) from
-4° to 122°F (-20° to 50°C); ±1.8°F (±1°C)
elsewhere in range

- ◆ Display Resolution: 0.1° (C or F)
- ◆ Sampling Period: 10 seconds
- ◆ Probe Cord Length: 10 ft. (3m)
- ◆ Display Size: 1.88 x 0.82 in. (48 x 21mm)
- ◆ Digit Height: 5/8 in. (16mm)
- ◆ Dimensions:
2.9 x 2.1 x 0.7 in. (73 x 52 x 18mm)
- ◆ Weight of unit, probe, battery and accessories:
3.76 oz. (106g)
- ◆ Power source: 1 “CR2032” battery (included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Suction cup
- Velcro mounting tape
- Battery
- Mounting hardware

UPC	NO.
22150 1	AQ150



AQ150

WIRELESS THERMO-HYGROMETER WITH REMOTE SENSOR – EMR963HG

Ideal for general-purpose environmental monitoring of facilities.

FEATURES:

- Monitors temperature and humidity from
up to 90 feet away
- °F/°C switch
- Up to three wireless sensors may be used with
base station
- Includes one remote wireless sensor; additional
sensors available
- Jumbo display
- Min/Max memory
- Trend information
- Comfort indicator
- CE and RoHS approved

SPECIFICATIONS:

- ◆ Indoor and Outdoor Temperature Range:
-58° to 158°F (-50° to 70°C)
- ◆ Indoor and Outdoor Humidity Range:
25% to 90%
- ◆ Temperature Resolution: 0.2°F (0.1°C)
- ◆ Humidity Resolution: 1%
- ◆ Humidity Accuracy: ±5%

- ◆ Transmitting Range: up to 90 ft.
- ◆ Transmission Interval:
approximately every 30 seconds
- ◆ Transmission Frequency: 433 MHz
- ◆ Dimensions: Base: 4.5 x 4 x 0.75 in.
(114 x 102 x 19mm)
Sensor: 4 x 2.75 x 0.75 in. (102 x 70 x 19mm)
- ◆ Weight: (w/o batteries):
Base Station: 5.5 oz. (156g);
Sensor: 2.2 oz. (62g)
- ◆ Power Source:
Base Station: 2 “AA” batteries (included)
Sensor: 2 “AA” batteries (included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- 4 batteries
- 1 Wireless temperature-humidity sensor Model
THGR268

UPC	NO.
60070 2	EMR963HG
60073 3	THGR268 (optional) Wireless temperature-humidity sensor

EMR963HG
SENSOR THGR268CE
RoHS


MMH800

PIN/PINLESS MOISTURE METER W/ TEMPERATURE & HUMIDITY – MMH800

Ideal for locating water leaks and measuring moisture content of drywall, plastered walls, floors and subfloors. Also measures ambient temperature and humidity.

FEATURES:

- Pin-type and non-marring inductive sensors
- Two dedicated displays: Moisture percentage, and ambient temperature plus relative humidity
- High/medium/low audible indication of moisture level
- Holds moisture level readings
- Auto diagnostic check
- Auto power off

SPECIFICATIONS:

- ♦ Measurement Ranges: 5 to 50% moisture (wood); 1.5 to 33% moisture (building materials)
- ♦ Moisture Measurement Accuracy: $\pm 3\%$
- ♦ Moisture Measurement Resolution: 0.1%

- ♦ Temperature Measurement Range/Accuracy: 32° to 140°F (0° to 60°C)/ $\pm 2^\circ\text{F}$ ($\pm 2^\circ\text{C}$)
- ♦ Humidity Measurement Range/Accuracy: 25 to 95%/ $\pm 3\%$ from 0° to 40°C
- ♦ Auto Power Off: After 3 minutes of inactivity
- ♦ Dimensions: 7.13 x 2.17 x 1.57 in. (181 x 55 x 40mm)
- ♦ Weight: 4.06 oz. (115g)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Battery
- Two sets of extra pins
- User's manual

UPC	NO.
01486 8	MMH800


PTH8707

HUMIDITY SEEKER TEMPERATURE & HUMIDITY PEN – PTH8707

Ideal for contractors and homeowners to measure temperature and humidity.

FEATURES:

- °F/°C switch
- Check home comfort and ventilation
- Monitor greenhouse environment
- Sensor protection cap
- Clips into your shirt pocket

SPECIFICATIONS:

- ♦ Temperature Measurement Range: 32° to 122°F (0° to 50°C)
- ♦ Temperature Measurement Accuracy: $\pm 1.8^\circ\text{F}$ ($\pm 1^\circ\text{C}$)
- ♦ Relative Humidity Measurement Range: 20 to 95%

- ♦ RH Measurement Accuracy: $\pm 3\%$ of reading
- ♦ Temperature, RH Resolutions: 0.1° (F or C), 0.1% RH
- ♦ Dimensions: 6.5 x 1.25 x 0.5 in. (165 x 32 x 13mm)
- ♦ Weight: 1.9 oz. (54g)
- ♦ Power Source: 1 "CR2032" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Battery
- Pocket clip
- User's manual

UPC	NO.
01402 8	PTH8707


DL8835

TEMPERATURE-HUMIDITY DATA LOGGER – DL8835

Ideal for measuring, monitoring and recording temperature and humidity of sensitive facilities and on water-damage restoration projects.

FEATURES:

- Records relative humidity and temperature with date/time stamp
- Logs data for days, weeks or months
- Multiple data loggers can be programmed and data downloaded from a single docking station
- Sampling rate programmable from 1 second to 2 hours
- View either temperature or humidity on LCD
- Data logging functions require optional Serial (RS-232) or USB Interface Kit INT8819 (see below)
- Programmable high and low limits with alarm

SPECIFICATIONS:

- ♦ Temperature Measurement Range: -40° to 185°F (-40° to 85°C)

- ♦ Temperature Measurement Accuracy: $\pm 1^\circ\text{F}$ between -4° and 122°F; $\pm 2^\circ\text{F}$ elsewhere
- ♦ Relative Humidity Measurement Range: 5 to 95%
- ♦ RH Measurement Accuracy: $\pm 5\%$ of reading
- ♦ Temperature, RH Resolutions: 0.1°, 0.1% RH
- ♦ Data Logging Capacity: Up to 8,000 data points each for temperature, humidity
- ♦ Dimensions: 3.14 x 2.16 x 0.86 in. (80 x 55 x 22mm)
- ♦ Weight: 2.6 oz. (76g)
- ♦ Power Source: Lithium battery (included)
- ♦ Warranty: 1 year (limited)

UPC	NO.
46125 9	DL8835
46135 8	INT8819 USB Interface Kit (optional)

INT8819

USB INTERFACE KIT FOR DL8835 – INT8819

FEATURES:

- For downloading readings to your PC
- Use with data logger model DL8835

INCLUDES:

- Data logger base
- Software
- USB1.1 cable
- User's manual

♦ Warranty: 1 year (limited)

UPC	NO.
46135 8	INT8819



CALIBRATABLE MULTI-FUNCTION PSYCHROMETERS – EP8703, EP8709, EP8710

Ideal for accurately measuring any environment's temperature, relative humidity (RH), dew point and other condensation parameters.

FEATURES:

- Jumbo backlit display with double (EP8703, EP8709) or triple (EP8710) readout
- Field calibratable using optional 33% and 75% salts
- Data hold and Max/Min buttons (EP8709 and EP8710 only)
- Also calculates and displays wet bulb temperature (EP8709 and EP8710 only)
- Using included external probe (EP8710 only), can also measure: 1) the difference between an object's internal and surface temperatures or 2) an object's condensation temperature—the difference between its surface temperature and the dew point temperature
- °F/°C switch
- 20-minute Auto Power Off
- Low battery indicator

SPECIFICATIONS:

- ♦ Ambient Temperature Measurement Range: 14° to 122°F (-10° to 50°C)
- ♦ Ambient Temperature Measurement Accuracy/Resolution: $\pm 1.8^\circ\text{F}$ ($\pm 1.0^\circ\text{C}$)
- ♦ External Temperature Probe Measurement Range (EP8710 only): 14° to 158°F (-10° to 70°C)
- ♦ External Temperature Probe Measurement Accuracy (EP8710 only): $\pm 1.8^\circ\text{F}$ ($\pm 1^\circ\text{C}$)

- ♦ External Probe Cord Length: 48 in. (1.22m)
- ♦ Temperature Measurement Resolution: 0.1° (F or C)
- ♦ Relative Humidity (RH) Measurement Range: 0 to 99.9%
- ♦ RH Measurement Accuracy: $\pm 3\%$ from 5% to 95% RH
- ♦ RH Measurement Resolution: 0.1%
- ♦ RH Response Time: <80 seconds
- ♦ Current Consumption: <15mA
- ♦ Battery Life: 60 hours (typical)
- ♦ Dimensions: 7.56 x 2.40 x 1.57 in. (192 x 61 x 40mm)
- ♦ Weight (without battery): 3.77 oz. (107g)
- ♦ Power Source: (1) "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Sensor protection cap
- "9V" battery
- User's manual
- External Temperature Probe (EP8710 only)

UPC	NO.
01632 9	EP8703
01630 5	EP8709
01631 2	EP8710
15060 3	HR33 Calibration Salt MgCl 33% (optional)
15070 2	HR75 Calibration Salt NaCl 75% (optional)



CALIBRATABLE DIGITAL PSYCHROMETER - EP8706

Ideal for accurate handheld measurements of temperature and humidity.

FEATURES:

- Jumbo display, triple read-out
- Rotating head to protect sensor
- Field calibratable
- Auto power off
- Min/Max memory
- CE approved

SPECIFICATIONS:

- ♦ Temperature Measurement Range: -4° to 122°F (-20° to 50°C)
- ♦ Temperature Measurement Accuracy: $\pm 1.2^\circ\text{F}$ ($\pm 0.6^\circ\text{C}$)

- ♦ Relative Humidity Measurement Range: 10 to 90%
- ♦ RH Measurement Accuracy: $\pm 3\%$ of reading
- ♦ Response Time: 60 seconds
- ♦ Power Source: 2 "AAA" batteries (included)
- ♦ Warranty: 1 year (limited)

UPC	NO.
10041 7	EP8706
10043 1	P8706 External Replacement Probe
15060 3	HR33LJ Calibration Salt MgCl 33% (optional)
15070 2	HR75LJ Calibration Salt NaCl 75% (optional)



DIGITAL PSYCHROMETER WITH DEW POINT AND WET BULB – SAM990DW

Ideal for monitoring environmental conditions.

FEATURES:

- Displays wet bulb, dew point, humidity and temperature
- No twirling or charts necessary
- Large digital display
- Dew point measurement
- Wet and dry bulb temperature
- Min/Max memory
- °F or °C readings
- Data hold
- Auto power off
- Low battery indication

SPECIFICATIONS:

- ♦ Temperature Measurement Range: -4° to 122°F (-20° to 50°C)

- ♦ Temperature Measurement Accuracy: $\pm 1.8^\circ\text{F}$ ($\pm 1^\circ\text{C}$)
- ♦ Relative Humidity Measurement Range: 10 to 90%
- ♦ RH Measurement Accuracy: $\pm 3\%$ of reading
- ♦ Dew Point Measurement Accuracy: $\pm 1.2^\circ\text{F}$ ($\pm 0.6^\circ\text{C}$)
- ♦ Response Time: 60 seconds (approx.)
- ♦ Dimensions: 6.7 x 1.85 x 0.5 in. (170 x 22 x 13mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 2 "AAA" batteries (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Protective cap with pocket clip

UPC	NO.
10025 7	SAM990DW



SAM990DW



DTH3007SD

Patented

Included Accessories:

- Soft carrying case • Temperature-humidity probe
- 2 GB SD memory card • User's manual

Optional Accessories:

UPC	NO.	DESCRIPTION
01506 3	AC1	9VDC adapter for 110V power supply
25015 0	TPK500	-50° to 500°F "K" type thermocouple
25005 1	TPK05	-40° to 562°F "K" type thermocouple
25003 7	TPK03	-40° to 950°F "K" type thermocouple
01502 5	SDRD1	SD Card Reader

HUMIDITY-TEMPERATURE INSTRUMENT WITH EXCEL-FORMATTED DATA LOGGING SD CARD – DTH3007SD

Ideal for high accuracy measurements of temperature and relative humidity of a fluid, including dew point/wet-bulb temperature of ambient air.

FEATURES:

- Four-function instrument measures temperature/humidity, dew point, wet-bulb temperature and surface temperature
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Displays maximum and minimum readings holds
- Sampling time settable from one secs. to one hr.
- Also supports manual data logging and changing of SD card storage location
- Auto power off function

SPECIFICATIONS:

- ◆ Display: 2.05 x 1.5 in. (52 x 38mm) LCD
- ◆ Measurement Range:
 - Temperature: 32° to 122°F (0° to 50°C)
 - R.H.: 5 to 95%

- Dew Point: -13.5° to 120.1°F (-25.3° to 48.9°C)
- Wet-bulb: -6.9° to 122°F (-21.6° to 50°C)
- ◆ Measurement Accuracy:
 - $\pm 1.5^\circ\text{F}$ ($\pm 0.8^\circ\text{C}$) for temperature
 - Sum of temperature and humidity accuracies for dew point and wet-bulb temperature
- ◆ Operating Temperature: 32° to 122°F (0° to 50°C)
- ◆ Operating Relative Humidity: 0 to 85%
- ◆ Dimensions: 6.97 x 2.68 x 1.77 in. (177 x 68 x 45mm)
- ◆ Weight: 1.08 lb. (489g)
- ◆ Power Source: 6 "AA" batteries (not included) or optional 9-VDC AC adapter
- ◆ Warranty: 1 year (limited)

UPC	NO.
01461 5	DTH3007SD



LTH8809DL

DATA LOGGING TEMPERATURE-HUMIDITY MONITOR – LTH8809DL

Ideal for monitoring and recording environmental in HVAC/R applications.

FEATURES:

- Bright red jumbo LED display
- Wall or desk mountable
- Settable high and low temperature and humidity alarms
- Also calculates and displays dew point
- Selectable temperature unit
- Data logging capacity of 16,000 records
- USB interface

SPECIFICATIONS:

- ◆ Temperature Range: -4° to 158°F (-20° to 70°C)
- ◆ Temperature Accuracy: $\pm 1.2^\circ\text{F}$ ($\pm 0.6^\circ\text{C}$)
- ◆ Relative Humidity Measurement Range: 5 to 95%

- ◆ RH Measurement Accuracy: $\pm 3\%$ of reading between 10 and 90% RH; $\pm 5\%$ elsewhere
- ◆ Temperature, Humidity Resolutions: 0.1°F (0.1°C), 0.1% RH
- ◆ Display Size: 2 x 2.6 in. (50.9 x 65.5mm)
- ◆ Dimensions: 4.8 x 5.2 x 1.6 in. (120 x 130 x 42mm)
- ◆ Weight: 7.4 oz. (210g)
- ◆ Power Source: 4 "AAA" batteries (included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Batteries
- Data logging/interface software
- USB cable • User's manual

UPC	NO.
01309 0	LTH8809DL

CE
RoHS



CDM77232

INCLUDES:

- AC Adapter • User's Manual

UPC	NO.
01311 3	CDM77232

HIGH ACCURACY TEMPERATURE/HUMIDITY AND IAQ MONITOR WITH OUTPUT RELAY – CDM77232

Ideal for monitoring indoor air quality of houses, offices, classrooms, factories, hospitals and hotels. Includes relay for activating a ventilation system.

FEATURES:

- Measures CO₂ level, air temperature, humidity, dew point and wet bulb temperature
- Triple backlit LCD displays of CO₂ level, temperature and humidity
- Uses stable non-dispersive infrared (NDIR) sensor to measure CO₂
- Calculates, periodically updates and displays 8-hr. time-weighted average (TWA) of CO₂ exposure and 15-minute short-term exposure limit (STEL)
- Visual and audible CO₂ alarms
- Min/Max memory +data hold
- Powered by 12V AC/DC adapter
- Manual or automatic calibration of CO₂
- RS-232 interface for uploading readings to a PC
- Wall or desktop mount
- CE and RoHS approved

SPECIFICATIONS:

- ◆ CO₂ Measurement Range: 0 to 5000ppm
- ◆ CO₂ Measurement Accuracy: $\pm 50\text{ppm}$ $\pm 5\%$ of reading

- ◆ Pressure Dependence of CO₂ Measurement: +1.6% of reading per kPa deviation from sea-level atmospheric pressure (100kPa)
- ◆ CO₂ Calibration Level: 400ppm
- ◆ Temperature Range: 14° to 140°F (-10° to 60°C)
- ◆ Temperature Accuracy: $\pm 0.9^\circ\text{F}$ (0.6°C)
- ◆ Humidity Measurement Range: 10 to 95%
- ◆ Humidity Measurement Accuracy: $\pm 3\%$
- ◆ Warmup Time: 30 seconds
- ◆ Response Times: 30 seconds for CO₂ and temperature, 30 minutes for humidity
- ◆ Auto Power Off: 20 minutes of inactivity
- ◆ Operating Temperature: 32° to 122°F (0° to 50°C) @ <80% RH
- ◆ Storage Temperature: -4° to 140°F (-20° to 60°C) @ <80% RH
- ◆ Dimensions: 6.88 x 5.63 x 2.38 in. (174.75 x 143 x 60.45mm)
- ◆ Weight: 14.00 oz. (397g)
- ◆ Power Source: AC Adapter (included)
- ◆ Warranty: 1 year (limited)

USB TEMPERATURE-HUMIDITY DATA LOGGERS – HT10, HT20, HT50

Ideal for monitoring temperature and humidity in enclosed spaces.

FEATURES:

- One button starts/stops data logging without a PC
- Plug-and-play USB 2.0 interface; no need for cables, cradles or docks
- Large storage capacity: Up to 16,000 pairs of humidity and temperature readings
- 3-1/2-digit LCD displays real-time temperature and RH readings, device working status and “memory full” (HT20 and HT50 only)
- Built-in IR thermometer for checking temperature of vents and surfaces (HT50 only)
- Included software is used to set sampling time & Hi/Lo temp and RH alarm setpoints
- Software also calculates dew point, calculates and plots absolute humidity in units of GPP or g/kg, and displays data logs as time-based graphs synchronized to your PC's clock
- One-click exporting of logs to Excel or Word
- Long battery life (up to one year)

UPC	NO.
01501 8	HT10
01503 2	HT20
01504 9	HT50
72015 8	BA10 1/2 “AA” Battery (optional)



No. HT10

No. HT20

No. HT50

Specifications:

Model#	HT10	HT20	HT50
Name	USB RH/Temp Data Logger w/ LED & GPP	USB RH/Temp Data Logger w/ LCD & GPP	USB RH/Temp/GPP Data Logger w/ LCD & IRT
Temperature Measurement Range/Accuracy	-4° to 158°F (-20° to 70°C) ±0.5°F (0.3°C)	-4° to 158°F (-20° to 70°C) ±0.5°F (0.3°C)	-4° to 158°F (-20° to 70°C) ±0.5°F (0.3°C)
Temperature Measurement Resolution and Repeatability	±0.2°F (0.1°C)	±0.2°F (0.1°C)	±0.2°F (0.1°C)
Relative Humidity (RH) Measurement Range/Accuracy	0 to 100% ±2% from 10 to 90% RH; ±3% elsewhere	0 to 100% ±2% from 10 to 90% RH; ±3% elsewhere	0 to 100% ±2% from 10 to 90% RH; ±3% elsewhere
RH Measurement Resolution and Repeatability	±0.1%	±0.1%	±0.1%
GPP Measurement Range	0-1500 GPP (0-285g/kg)	0-1500 GPP (0-285g/kg)	0-1500 GPP (0-285g/kg)
Internal Storage Capacity	16,000 pairs of RH & temp readings	16,000 pairs of RH & temp readings	16,000 pairs of RH & temp readings (10,000 sets with IR readings)
IRT Measurement Range	N/A	N/A	-4° to 482°F (-20° to 250°C)
IRT Measurement Accuracy	N/A	N/A	±5°F (3°C) below 32°F (0°C) ±4°F (2°C) above 32°F
IRT Measurement Resolution	N/A	N/A	±0.2°F (0.1°C)
IRT Distance-to-Spot Ratio	N/A	N/A	2:1
Emissivity	—	—	0.95 (fixed)
IRT Response Time	—	—	0.5 seconds
Dimensions	4.96 x 1.10 x 2.01 in. (126 x 28 x 51mm)	4.96 x 1.10 x 2.01 in. (126 x 28 x 51mm)	4.92 x 1.69 x 0.91 in. (125 x 43 x 23mm)
Weight	<7 oz. (<200g)	<7 oz. (<200g)	<7 oz. (<200g)
Power Source	3.6V Non-rechargeable Lithium-Ion Battery (Type SB-AA02)	3.6V Non-rechargeable Lithium-Ion Battery (Type SB-AA02)	3.6V Non-rechargeable Lithium-Ion Battery (Type SB-AA02)
What's Included	Battery, Software, USB Extension Cable, User's Manual	Battery, Software, USB Extension Cable, User's Manual	Battery, Software, USB Extension Cable, User's Manual
Battery Life (typical)	1 year	1 year	1 year
Warranty	1 year	1 year	1 year



INCLUDES:

- Curve Viewer software & drivers on mini-disc
- USB extension cable
- Battery
- User's Manual

JUMBO DISPLAY HUMIDITY AND TEMPERATURE MONITOR – DTH03A

Ideal for measuring, monitoring and displaying temperature and humidity.

FEATURES:

- Displays humidity and temperature
- Min/Max temperature and humidity memory
- °F/°C slide switch

SPECIFICATIONS:

- ◆ Temperature Measurement Range: 32° to 122°F (0° to 50°C)
- ◆ Relative Humidity Measurement Range: 20 to 95%
- ◆ Temperature, RH Resolutions: 0.1° (F or C), 1% RH

- ◆ Display Size: 3.2 x 2.3 in. (80 x 58mm) with 0.9 in. (23mm) high digits
- ◆ Dimensions: 4.3 x 3.9 x 0.8 in. (110 x 98 x 20mm)
- ◆ Weight: 6.3 oz. (175g)
- ◆ Power Source: 1 “AAA” battery (included)
- ◆ Warranty: 1 year (limited)

UPC	NO.
11040 9	DTH03A



DTH03A

MSHA Approved

MADE IN
USA

CGD900

INTRINSICALLY SAFE COMBUSTIBLE GAS LEAK DETECTOR – CGD900

Ideal for detecting more combustible gases (including hydrocarbons) than competitive units.

FEATURES:

- Detects Methane, Propane, Ethane, Butane, Hydrogen, Ethylene, Ethanol, ISO-Butane, NOL, Gasoline, Acetylene, Methyl Ether, Ammonia, Hydrogen Sulfide, Industrial solvents, Benzene, Alcohols, Acetone, Toluene, Xylene
- MSHA approved
- Intrinsically safe (in methane-air only)
- Numeric LED display of sensitivity
- Heated sensor technology
- Ultra sensitive to methane gas
- Long life sensor
- Unique digital leak size alarm
- Automatic calibration
- Alarm mute mode
- 3 LED sensitivity levels

SPECIFICATIONS:

- ◆ Sensitivity: As low as 5ppm (methane)
- ◆ Sensor Life: 300+ hours
- ◆ Response Time: Instantaneous
- ◆ Warm-up Time: <10 seconds
- ◆ Calibration: Automatic
- ◆ Probe Length: 17 in. (432mm)
- ◆ Display: Bright LED-visible in sunlight
- ◆ Dimensions: 13.75 x 10.00 x 3.25 in. (349 x 254 x 83mm)
- ◆ Weight: 2.0 lbs. (907g)
- ◆ Power Source: 4 "AA" batteries (included)
- ◆ Battery Life: 20 hours continuous use
- ◆ Warranty: 2 year (limited)

INCLUDES:

- Test vial • Batteries

UPC	NO.
01449 3	CGD900

COMBUSTIBLE GAS LEAK DETECTOR – NGD8800

Ideal for industrial uses, HVAC/R, plumbing and plant maintenance.

FEATURES:

- Detects Methane, Hydrogen, Iso-Butane, Ethanol, Ethylene, Tetrachloroethylene, Dimethyl Sulfide, Toluene, Formaldehyde, Diethyl-Ether, Ethyl-Acetate, Dichloromethane, Ammonia, R-22
- Uses DSP (Digital Signal Processing)
- Multi-color circular bar graph
- Semiconductor gas sensor
- Leak size indication (audible/visible)
- Fast warm-up
- Adjustable Hi/Lo sensitivity
- Low battery indication
- Sensing tip protector
- 15.5 in. (395mm) flexible gooseneck probe

SPECIFICATIONS:

- ◆ Sensitivity: Variable; as low as 5ppm (gasoline)
- ◆ Warm-Up Time: <110 seconds (at 25°C, 60%RH)
- ◆ Operating Temperature: 32° to 104°F (0° to 40°C)
- ◆ Dimensions: 6.8 x 2.6 x 2.2 in. (173 x 66 x 56mm)
- ◆ Weight: 14.5 oz. (410g)
- ◆ Power Source: 4 "AA" batteries (included)
- ◆ Battery Life: up to 20 hours (approx.)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Leak check bottle • Operating Instructions
- Hard carrying case • Batteries

UPC	NO.
40880 3	NGD8800

COMBUSTIBLE GAS DETECTOR WITH WIDE OPERATING RANGE FOR EXTREME WEATHER CONDITIONS – NGD268

Ideal for detecting all combustible gases.

FEATURES:

- Detects Methane, Natural Gases, Coal Gases, Hexane, Propane, Ethane, Butane, Pentane, Isopropyl Alcohol, Halogenated Hydrocarbons (Methanol, Ethanol, Butanol), Ether, Ketones (Butone, Protone), Hydrogen, Toluene, Gasoline, Industrial Solvents, Lacquers, Refrigerants, Sulfur Dioxide, Ammonia, Sulfured Hydrogen, Acetic Acid
- Quick response to combustible gas leaks
- Long and flexible gooseneck probe
- Adjustable sensitivity
- 30 level light/Tricolor LED indication
- Low battery alarm indication
- Sensor self-fault detection
- High concentration protection

- ◆ Warmup Time: 20 sec.
- ◆ Response Time: <10 seconds
- ◆ Alarm Levels: Low level - Green - 20% LEL (Lower Explosive Limit)
- Med level - Yellow
- High level - Red - 50% LEL
- ◆ Charge time: 4 to 6 hours
- ◆ Dimensions: 6.7 x 2.4 x 1 in. (170 x 62 x 26mm)
- ◆ Weight: 12.4 oz. (350g)
- ◆ Power Source: 1 "4.8V" rechargeable battery (included)
- ◆ Battery life: up to 8 hours (approx.)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- AC Power Adaptor
- Battery

UPC	NO.
41537 5	NGD268

NGD268

Gas, CO & Refrigerant Leak Detectors

COMBUSTIBLE GAS DETECTOR PEN – PNG2000A

Ideal for detecting leaks of natural gas, propane or butane from plumbing and appliances.

FEATURES:

- Sensitive, reliable and easy to operate
- Fast response time
- Redundant visual and audible alarms
- Auto-calibrating
- Malfunction and low battery alerts

SPECIFICATIONS:

- ♦ Range: 0 to 100%LEL
- ♦ Response Time: < 5 seconds
- ♦ Sampling: Natural diffusion
- ♦ Operating Temperature: -4° to 131°F (-20° to 55°C)
- ♦ Operating Humidity: <95%RH

- ♦ Operating Voltage: DC3V
- ♦ Operating Current: <150mA
- ♦ Low Alarm: (20±5) % LEL
- ♦ High Alarm: (50±10) % LEL
- ♦ Dimensions: 7.6 (L) x 1.2 (Dia) in. (193 x 30mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 2 "AA" batteries (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Wrist strap • Batteries • User's manual

UPC	NO.
41501 6	PNG2000A



PNG2000A

DIGITAL CO DETECTOR WITH AUTO ZERO – DCO1001

Ideal for HVAC home, office, tunnels, mines, etc.

FEATURES:

- Adjustable CO warning level
- LCD dual digital display
- Bright backlight
- Low battery indication
- Also measures and displays ambient temperature
- °F/°C switch
- Auto power off
- Auto-calibrating for Oppm, 100ppm, 500ppm
- Max hold
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Measurement Range: 0 to 999ppm
- ♦ Resolution: 1ppm
- ♦ Accuracy: ±20% from 0 to 100ppm; ±15% from 100 to 500 ppm
- ♦ Dimensions: 7 x 1.7 x 1.1 in. (178 x 43 x 28mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 3 "AAA" batteries (included)
- ♦ Battery Life: 250 hours with the backlight off; and 35 hours with the backlight on
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Wrist strap • Carrying pouch
- Batteries • User's manual

UPC	NO.
41655 6	DCO1001



DCO1001



DIGITAL REFRIGERANT LEAK DETECTOR WITH PUMP – RLD400

Ideal for electronic sensing—the most widely used, sensitive and accurate method of refrigerant leak detection. New proprietary semiconductor sensor detects many new ozone layer-friendly refrigerants approved under the U.S. EPA's Significant New Alternatives Policy (SNAP).

FEATURES:

- Proprietary sensor with lifetime of more than 300 hours of operation (ten years of normal use)
- Detects all commercially available HFC, HFO, HC, HCFC and CFC refrigerants as well as blends and newly approved replacements such as R-22 and R-1234yf
- Triple-redundant leak indication (loud fast beep, bright flashing LED, digital leak size reading)
- True mechanical pump draws in samples, increasing sensitivity
- Three sensitivity levels
- Fast warmup
- Comfortable neoprene grip
- Automatic calibration and reset to ambient levels
- Muteable beeper
- Garage-durable construction
- Made in U.S.A.
- SAE J2791 and J2913 certified
- Complies with European standard EN 14624
- CE, RoHS, WEEE approved

SPECIFICATIONS:

- ♦ Sensitivities: 0.05 oz./yr (1.4 g/yr) for R-134a; 0.025 oz./yr (0.7g/yr) for R-22
- ♦ Refrigerants Detected: R-134a, R-410a, R-404a, R-407c, R-507, CFC-12 (R-12 or Freon), R-22, R-1234yf
- ♦ Detection Modalities: Sound, light, leak size measure
- ♦ Sensor Type: Proprietary solid electrolyte semiconductor
- ♦ Sensor Life: >300 hours (ten years' normal use)
- ♦ Warmup Time: 17–20 seconds
- ♦ Response Time: Instantaneous
- ♦ Display Type, Size: 7-segment red LED, 0.6 in. (15mm) high
- ♦ Dimensions of Instrument: 6.8 x 2.6 x 2.2 in. (173 x 66 x 56mm) w/17 in. (432mm) probe
- ♦ Weight of Instrument: 1.5 lb. (680g)
- ♦ Power Source: 4 "AA" batteries (included)
- ♦ Battery Life: 5 hours continuous operation (typical)
- ♦ Warranty: 2 years (limited) (including sensor)



RLD400

INCLUDES:

- Padded hard case
- Leak test vial • Batteries
- User's manual

UPC	NO.
01587 2	RLD400



Refrigerant Leak Detectors

GENERAL®

RLD380L


HIGH-PERFORMANCE REFRIGERANT LEAK DETECTOR – RLD380L

Ideal for HVAC/R, industrial and automotive applications.

FEATURES:

- Detects R-134a, R-404A, R-407C, R-410A, R-22 (Freon)
- Uses semiconductor sensor and digital signal processing
- Color-coded display of Hi and Lo leak levels
- Hi/Lo sensitivity switch
- Includes flexible stainless steel gooseneck probe, reference source
- Fast warmup
- Redundant audible and visual alarms
- Ambient refrigerant concentration reset
- Auto power off
- Low battery alert
- CE, RoHS, WEEE approved

SPECIFICATIONS:

- ◆ Sensitivities: 6g/yr (Hi) and 30g/yr (Lo) for R-134a, R-22; 8g/yr (Hi) and 40g/yr (Lo) for R-404A, R-407C, R-410A
- ◆ Warmup Time: 90 seconds
- ◆ Auto Power Off: 10 minutes of inactivity
- ◆ Probe Length: 15.5 in. (394mm)
- ◆ Operating Altitude: <6500 ft. (1980m)
- ◆ Operating Temperature and Humidity: 32° to 104°F (0° to 40°C), < 80%RH
- ◆ Storage Temperature and Humidity: 14° to 140°F (-10° to 60°C), < 70%RH
- ◆ Dimensions: 6.8"H x 2.6"W x 2.2"D (173 x 66 x 56mm)
- ◆ Weight: 14.1 oz. (400g)
- ◆ Power Source: 4 "AA" batteries (included)
- ◆ Battery Life: 40 hours of normal use
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Leak check bottle
- Molded hard case
- Batteries
- User's manual

UPC	NO.
40141 5	RLD380L
01378 6	RS380 Replacement Sensor


RLD382P


HIGH-PERFORMANCE REFRIGERANT LEAK DETECTOR WITH PUMP – RLD382P

Ideal for HVAC/R, industrial and automotive applications requiring greater sensitivity.

FEATURES:

- Detects R-134a, R-404A, R-407C, R-410A, R-22 (Freon)
- Uses pump to draw in gas, increasing sensitivity
- Also uses semiconductor sensor and digital signal processing
- Three-color display of Hi, Medium, Lo leak levels
- Hi/Lo sensitivity switch
- Includes flexible stainless steel gooseneck probe, reference source
- Fast warmup
- Redundant audible and visual alarms
- Ambient refrigerant concentration reset
- Auto power off
- Low battery alert
- CE, RoHS, WEEE approved

SPECIFICATIONS:

- ◆ Sensitivities: 3g/yr (Hi), 15g/yr (Med) and 30g/yr (Lo) for R-134a, R-22; 4g/yr (Hi), 20g/yr (Med) and 40g/yr (Lo) for R-404A, R-407C, R-410A
- ◆ Warmup Time: 45 seconds
- ◆ Auto Power Off: 10 minutes of inactivity
- ◆ Probe Length: 15.5 in. (394mm)
- ◆ Operating Altitude: <6500 ft. (1980m)
- ◆ Operating Temperature and Humidity: 32° to 104°F (0° to 40°C), < 80%RH
- ◆ Storage Temperature and Humidity: 14° to 140°F (-10° to 60°C), < 70%RH
- ◆ Dimensions: 6.8 x 2.6 x 2.2 in. (173 x 66 x 56mm)
- ◆ Weight: 14.1 oz. (400g)
- ◆ Power Source: 4 "AA" batteries (included)
- ◆ Battery Life: 7 hours of normal use
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Leak check bottle
- Molded hard case
- Batteries
- User's manual

UPC	NO.
00382 4	RLD382P
01378 6	RS380 Replacement Sensor

Data Logging Hot Wire Anemometer

DATA LOGGING HOT WIRE ANEMOMETER WITH CFM/CMM AND 8:1 IR THERMOMETER – CIH20DL

Ideal for low FPM applications.

FEATURES:

- Measures and displays air speed or airflow volume in several Imperial or metric units
- Simultaneously measures and displays ambient temperature from 32° to 158°F (0° to 70°C) in °F or °C with $\pm 2\%$ accuracy
- Measures air speeds from 2 ft/min to 7874 ft/min (20 mm/sec to 40 m/sec) with $\pm 3\%$ accuracy
- Measures airflow volumes from 0 to 2.5 million CFM (0 to 72,000 CMM) with $\pm 3\%$ accuracy
- Displays maximum, minimum or maximum air speed plus temperature
- Also has 8:1 infrared thermometer for remote, non-contact measurement of surface temperatures from -25° to 999°F (-32° to 538°C) with $\pm 3\%$ accuracy
- Telescoping probe and cable extend reach of hot wire sensor and thermistor to up to 6 ft. (1.8m)
- Jumbo backlit LCD with three readouts
- Stores/recalls up to nine sets of three readings in nonvolatile memory
- Time-stamps and saves up to 20,000 data points at user-selected sampling rate from 5 seconds to 1 hour
- Included USB cable and interface/data logging software enable transfer of stored data logs from the meter's internal memory to a PC for tabular or graphic display and analysis
- Data hold and auto power off functions
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Air Flow Volume Measurement
Range/Resolution: 0 to 2,542,700 CFM (0 to 72,000 CMM)/0.01 CFM (0.001 CMM)
- ♦ Air Speed Measurement Range/Accuracy: 2 to 7874 ft./min (20 mm/sec to 40 m/sec) $\pm 3\%$
- ♦ IR Thermometer Distance-to-spot (D:S) ratio: 8:1
- ♦ IR Thermometer Emissivity: 0.95 (fixed)
- ♦ IR Thermometer Measurement Range: -25° to 999°F (-32° to 537°C)
- ♦ IR Thermometer Measurement Accuracy: $\pm 3.6^\circ\text{F}$ (2°C) from -4° to 212°F (-20° to 100°C)
- ♦ IR Thermometer Measurement Resolution: 0.1° max/ (F or C)
- ♦ IRT Response Time: 0.5 seconds
- ♦ Memory: Nine readings + Max/Min/Avg + Data Hold
- ♦ Extended length of telescoping hot wire probe: 70.8 in. (1.8m)
- ♦ Dimensions: 7.24 x 2.75 x 1.57 in. (184 x 70 x 40mm)
- ♦ Weight: 11.3 oz. (320g)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- USB cable
- PC Interface Software
- AC Adapter
- Hard Carrying Case
- Battery
- User's manual

UPC	NO.
01498 1	CIH20DL

CE
RoHS

CIH20DL



Large backlit LCD simultaneously displays air flow volume or speed from hot wire sensor plus remote surface temperature from IRTv



A low-speed squirrel cage blower motor



Enables minimally invasive duct flow testing



Air movers wrapping up a water damage restoration project



DCFM8906

DIGITAL ONE PIECE AIRFLOW METER WITH CFM DISPLAY – DCFM8906

Ideal for measuring airflow speed and volume output of exhaust fans and blowers.

FEATURES:

- Displays CFM, CMM, FPM, temperature and knots
- One-handed airflow measurement
- Also measures air temperature
- RS-232 output
- Calculates and displays average, minimum, and maximum air speed and airflow volume readings at one point or up to eight points
- Data hold
- °F/°C switch
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Airflow Volume Measurement Range: 0 to 99,999 CFM or CMM
- ♦ Airflow Velocity Measurement Range: 80 to 5900 ft./min (0.4 to 30m/sec)

- ♦ Airflow Measurement Accuracy/Resolution: $\pm 3\%/1$ ft./min (10mm/sec)
- ♦ Temperature Measurement Range: 14° to 122°F (-10° to 50°C)
- ♦ Temperature Measurement Accuracy/Resolution: $\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$)/0.1°
- ♦ Display Size: 1.25 x 1.625 in. (31 x 41mm)
- ♦ Dimensions: 7 x 2.5 x 1.75 in. (183 x 76 x 45mm); Vane diameter: 2.8 in. (70mm)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Molded hard case
- Battery

UPC	NO.
40015 9	DCFM8906
12710 0	ASFT KIT PC Interface Kit (optional)



DCFM8901

DIGITAL TWO PIECE AIRFLOW METER WITH RS-232 COMPUTER INTERFACE – DCFM8901

Ideal for measuring airflow volume, airflow velocity, air temperature.

FEATURES:

- Displays CFM, CMM, FPM, MPS and temperature
- Min/Max memory
- Data hold
- Single point average
- Multi-point average
- RS-232 computer interface
- °F/°C switch
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Airflow Volume Measurement Range: 0 to 9,999 CFM or CMM
- ♦ Airflow Velocity Measurement Range: 80 to 6900 ft./min (0.4 to 35 m/sec)
- ♦ Airflow Measurement Accuracy/Resolution: $\pm 2\%/1$ ft./min (10 mm/sec)

- ♦ Temperature Measurement Range: 14° to 122°F (-10° to 50°C)
- ♦ Temperature Measurement Accuracy/Resolution: $\pm 1^\circ\text{F}$ ($\pm 1^\circ\text{C}$)/0.1°
- ♦ Cord Length: 20.5 in. (.5m) extends to 4.5 ft. (1.14m)
- ♦ Dimensions of Meter: 7.1 x 2.8 x 1.5 in. (181 x 71 x 38mm); Vane diameter: 2.9 in. (73mm)
- ♦ Weight of Meter: 10.4 oz. (295g)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Remote probe
- Molded hard case
- Battery
- User's manual

UPC	NO.
40005 0	DCFM8901
40006 7	P8901 Replacement Vane (optional)
12710 0	ASFT KIT PC Interface Kit (optional)



DCFM700

DIGITAL ANEMOMETER WITH CFM – DCFM700

Ideal for measuring airflow speed and volume output of exhaust fans and blowers.

FEATURES:

- Displays airflow velocity/volume + temperature
- Stores, recalls 10 values
- Min/Max memory
- Data hold function
- Low battery indication
- Auto power off
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Airflow Volume Measurement Range: 0 to 99,999 CFM or CMM
- ♦ Airflow Velocity Measurement Range: 0 to 8800 ft./min (0 to 45 m/sec)
- ♦ Airflow Measurement Accuracy: $\pm 2\%$
- ♦ Temperature Measurement Range: -58° to 158°F (-50° to 70°C)
- ♦ Temperature Measurement Accuracy/Resolution: $\pm 0.9^\circ\text{F}$ ($\pm 0.5^\circ\text{C}$) from 32° to 122°F (0° to 50°C); $\pm 1.8^\circ\text{F}$ ($\pm 1^\circ\text{C}$) elsewhere

- ♦ Operating Temperature: -14° to 158°F (-10° to 70°C)
- ♦ Storage Temperature: -14° to 158°F (-10° to 70°C)
- ♦ Sampling Period: 1 second
- ♦ Dimensions: Meter: 6.9 x 3.3 x 1.4 in. (175 x 85 x 35mm); Vane: 6.1 x 3 x 1.4 in. (170 x 75 x 35mm)
- ♦ Weight: 10 oz. (280g)
- ♦ Power Source: 3 "AAA" batteries (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Molded hard case
- Batteries
- User's manual

UPC	NO.
40700 4	DCFM700

DIGITAL ALL-IN-ONE AIR FLOW METER WITH CFM, BTU, TEMP, HUMIDITY, DP, FPM, MPH, KPH, MPS, KNOTS AND WET BULB – WDCFM8912

Ideal for measuring airflow speed and volume output of exhaust fans and blowers.

FEATURES:

- One-handed airflow measurement
- Handy recessed service grip
- Single and multi-point average
- RS-232 computer interface
- Min/Max memory
- Data hold
- °F/°C switch
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Airflow Volume Measurement Range: 0 to 99,999 CFM or CMM
- ♦ Airflow Velocity Measurement Range: 1 to 6840 ft./min (0.3 to 35 m/sec)
- ♦ Airflow Measurement Accuracy: ±5%
- ♦ Temperature Measurement Range: -4° to 140°F (-20° to 60°C)
- ♦ Temperature Measurement Accuracy: ±1°F (±0.6°C)
- ♦ Relative Humidity Measurement Range: 10 to 90%

- ♦ RH Measurement Accuracy: ±3% of reading
- ♦ Dew Point/Wet Bulb Temperature Measurement Resolution: 0.1°F (0.1°C)
- ♦ Dimensions of Meter:
Vane: 6.7 x 3 x 1.6 in. (170 x 77 x 40mm)
Meter: 6.9 x 2.8 x 1.3 in. (175 x 70 x 33mm)
- ♦ Weight of Meter: 10.4 oz. (295g)
- ♦ Power Source: 4 “AA” batteries (included) or 9V AC adapter
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Hard case
- Batteries
- User's manual

UPC	NO.
01249 9	WDCFM8912
01300 7	WDCFM8912/CERT
12710 0	ASFT KIT
	PC Interface Kit (optional)
01291 8	P8912
	Replacement Vane (optional)



WDCFM8912
WDCFM8912CER



HOT WIRE ANEMOMETER-THERMOMETER WITH EXCEL-FORMATTED DATA LOGGING SD CARD – HWA4214SD

Ideal for high accuracy measurements of air (wind) speeds as low as 0.5 mph and air temperatures within ±1.5°F (± 0.8°C).

FEATURES:

- Includes telescoping air speed-temperature probe
- Displays air (wind) speed in meters/second, feet per minute, kilometers/hr, knots (nautical miles per hour), or miles per hour
- Measures air speeds down to 0.2 m/sec with 0.01 m/sec resolution (down to 40 ft/min with 1 ft/min resolution)
- Displays temperature in °F or °C
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Displays maximum and minimum readings and holds any reading
- Automatically logs measurements at sampling time settable from one second to one hour
- Also supports manual data logging and changing of SD card storage location
- Auto power off function

SPECIFICATIONS:

- ♦ Display: 2.05 x 1.5 in. (52 x 38mm) LCD
- ♦ Parameters Measured: Air speed, temperature
- ♦ Measurement Range:
 - For air speed: 0.2 to 25 m/sec, 0.7 to 172 km/hr, 0.5 to 44.7 mph, 0.4 to 38.8 knots, 40 to 3940 ft/min
 - For temperature: 32° to 122°F (0° to 50°C)
- ♦ Measurement Accuracy:
 - For air speed: ± (5% + 0.1 m/sec), ± (5% + 0.3 km/hr), ± (5% + 0.2 mph), ± (5% + 0.2 knots), ± (5% + 20 ft/min)
 - For temperature: ± 1.5°F (± 0.8°C)

- ♦ Data Logging Sampling Time: 1 second to 1 hour
- ♦ Settable Parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, temperature unit, air speed unit, optional thermocouple type (K or J)
- ♦ Storable/Recallable Readings: Maximum, minimum
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Operating Relative Humidity: 0 to 85%
- ♦ Dimensions of Instrument: 7.99 x 2.99 x 1.50 in. (203 x 76 x 38mm)
- ♦ Weight of Instrument: 1.13 lb. (515g)
- ♦ Dimensions of Probe: 0.4724 in. (diameter) x 11.02 in. (collapsed)/37 in. (extended) (12mm x 280mm/940mm)
- ♦ Power Source: 6 “AA” batteries (not included) or optional 9-VDC AC adapter
- ♦ Dimensions: 11.25 x 9.88 x 3.00 in. (285.75 x 251 x 76.20mm)
- ♦ Weight: 36 oz. (1021g)
- ♦ Warranty: 1 year (limited)

UPC	NO.
01456 1	HWA4214SD
01548 3	P4214SD Replacement Probe
Optional Accessories:	
01506 3	AC1 9VDC adapter for 110V power supply
25015 0	TPK500 -50° to 500°F “K” type thermocouple
25005 1	TPK05 -40° to 562°F “K” type thermocouple
25003 7	TPK03 -40° to 950°F “K” type thermocouple
01502 5	SDR01 SD Card Reader

Patented



HWA4214SD

Included Accessories:

- Hard carrying case
- Telescoping air speed/temperature probe
- 2 GB SD memory card
- User's manual

DM8252
DM8252RS**HIGH RESOLUTION DIGITAL MANOMETERS – DM8252, DM8252RS**

Ideal for low static, negative pressure testing.

FEATURES:

- Digital display of gauge or differential pressure
- Display unit options: psi, inH₂O, mmH₂O, bar and mbar
- Bright backlight
- Min/Max memory + data hold
- Simple fittings for hose connection
- **DM8252RS** includes four (4) rubber stoppers for duct smoke detectors
- CE and RoHS approved

UPC	NO.
41216 9	DM8252
41220 6	DM8252RS w/4 Rubber Stoppers
12710 0	ASFT KIT PC Interface Kit (optional)

SPECIFICATIONS:

- ♦ Measurement Range: 0 to 2 psi (0 to 55 inH₂O)
- ♦ Accuracy: $\pm 0.3\%$
- ♦ Resolution (bar): 0.01
- ♦ Response Time: 0.5 seconds
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Dimensions: 7.2 x 2.8 x 1.2 in. (182 x 72 x 30mm)
- ♦ Weight: 7.6 oz. (215g)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Connection hose
- Molded hard case
- Battery
- User's manual



DM8215

DELUXE DIGITAL MANOMETER – DM8215

Ideal for industrial pressure testing.

FEATURES:

- Digital display of gauge or differential pressure
- Display unit options: psi, inH₂O, bar, mmHg, ozin², kgcm², kPa, ftH₂O, inHg, cmH₂O & mbar
- Bright backlight
- Min/Max memory + data hold
- Simple fittings for hose connection
- RS-232 computer interface
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Measurement Range/Resolution: **DM8215:** 0 to 15 psi/0.01 psi
- ♦ Measurement Accuracy: $\pm 3\%$ of full scale value
- ♦ Response Time: 0.5 seconds
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Dimensions: 7.2 x 2.8 x 1.2 in. (182 x 72 x 30mm)
- ♦ Weight: 7.6 oz. (215g)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Connection hose
- Molded hard case
- Battery
- User's manual

UPC	NO.
41215 2	DM8215
12710 0	ASFT KIT PC Interface Kit (optional)

HYDROGAUGE MANOMETER – HG15

Ideal for an inexpensive way of making pressure measurements.

FEATURES:

- Replaces ordinary U-tube manometers
- Measures gas pressure easily and efficiently
- Direct reading, no plus or minus readings to add together as in old fashioned U-tubes
- Fills like a glass of water, no more troublesome air bubbles
- Strong magnet for mounting
- Heavy-duty construction
- Made of industrial grade, flexible PVC plastic
- Lightweight
- Easy to use

SPECIFICATIONS:

- ♦ Water Column Height: 15 in. (381mm)
- ♦ Hose Fitting: All brass
- ♦ Hose Length: 30 to 36 in. (762 to 914mm)
- ♦ Dimensions: 24.00 x 3.50 x 0.88 in. (610 x 89 x 22mm)
- ♦ Weight: 5.50 oz. (156g)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Mounting magnet

UPC	NO.
41225 1	HG15



HG15

PRESSURE METER WITH EXCEL-FORMATTED DATA LOGGING SD CARD – PM930SD

Ideal for high accuracy measurements of hydraulic or pneumatic pressure using ten different units.

FEATURES:

- Measures hydraulic or pneumatic pressure using optional sensors with full-scale ranges from 2 to 400 bar
- Choose a sensor with the right range for your application from the list at lower right
- Sensors calibrated by single push of a button
- Ten different pressure units selectable via front panel
- Displays maximum and minimum readings
- Performs real-time automatic data logging at sampling time settable from 1 second to 9 hours
- Also supports manual logging and changing of card storage location
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Auto power off function

SPECIFICATIONS:

- ♦ Display Size: 2.05 x 1.5 in. (52 x 38mm)
- ♦ Displayed Pressure Unit: bar, psi, inches Hg, inches H₂O, hPA, kPA, kg/cm², mm Hg, meters H₂O, atmospheres
- ♦ Measurement Accuracy: ± 0.5% of full-scale reading + 1 digit
- ♦ Storable/Recallable Readings: Maximum, minimum

- ♦ Data Logging Sampling Time: 1 second to 9 hours
- ♦ Settable Parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, optional pressure sensor's full-scale range (2, 5, 10, 20, 50, 100, 200 or 400 bar)
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Operating Relative Humidity: 0 to 85%
- ♦ Dimensions: 6.97 x 2.68 x 1.77 in. (177 x 68 x 45mm)
- ♦ Weight: 0.77 lb. (350g)
- ♦ Power Source: 6 "AA" batteries (not included) or optional 9-VDC AC adapter
- ♦ Warranty: 1 year (limited)

UPC	NO.
01450 9	PM930SD

Optional Accessories:

01506 3	AC1 9VDC adapter for 110V power supply
01491 2	PS2 2 bar full-scale pressure sensor
01528 5	PS5 5 bar full-scale Pressure sensor
01527 8	PS10 10 bar full-scale Pressure sensor
01532 2	PS50 50 bar full-scale Pressure sensor
01533 9	PS100 100 bar full-scale Pressure sensor
01534 6	PS400 400 bar full-scale Pressure sensor
01502 5	SDR1 SD Card Reader

Patented



PM930SD

Included Accessories:

- Carrying case
- 2 GB SD memory card
- User's manual

GAS PRESSURE TEST KIT – GPK005, GPK015, GPK035

Ideal for ruggedized heavy-duty field use.

FEATURES:

- Measures natural gas (methane) or LP gas pressure across appliance manifolds
- Tests gas stoves, furnaces, dryers and other gas appliances. Can also be used for other non-corrosive gases
- Large 2.5 in. diameter diaphragm gauge is calibrated in inches of water column, also shows ounces per square inch (GPK015/GPK035 only); GPK005 is calibrated in psi and meets requirements of the New York City Fuel Gas Code (2008)
- Magnified lens
- Easier to use than a manometer

SPECIFICATIONS:

- ♦ Measurement Range **GPK005**: 0 to 5 psi
- ♦ Measurement Range **GPK015**: 0 to 15 inches of water column (in. H₂O) 0 to 9 ounces per square inch (oz./in²)

- ♦ Measurement Range **GPK035**: 0 to 35 inches of water column (in. H₂O) 0 to 20 ounces per square inch (oz./in²)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- 2.5 in. (64mm) diameter diaphragm gauge
- 39 in. (991mm) of rubber tubing
- 3/8 in. (10mm)NPT brass fitting for quick connection to appliance manifold
- Hose clamp
- Molded hard case

UPC	NO.
01585 8	GPK005
41240 4	GPK015
41230 5	GPK035



GPK005

GPK015

GPK035




WA500


WATER ALARM – WA500

Ideal for detecting leaks from HVAC systems, plumbing, appliances, water heaters etc.

FEATURES:

- Alarm sounds when water is detected
- Helps reduce water damage
- Finds mold-causing moisture
- Low battery indicator

SPECIFICATIONS:

- ◆ Dimensions: 4.3 x 4.3 x 1 in. (109 x 109 x 25mm)
- ◆ Weight: 4 oz. (113g)
- ◆ Power Source: 1 “9V” battery (included)
- ◆ Warranty: 1 year (limited)

UPC	NO.
80140 8	WA500


REF401

REFRACTOMETER – REF401

Ideal for testing Polyglycol/Antifreeze.

FEATURES:

- Used to check freezing point of Glycol from -60° to 32°F at Specific Gravity of 1.15 to 1.3 with 10°F resolution

SPECIFICATIONS:

- ◆ Dimensions: 8.75 x 3.00 x 2.00in. (220 x 76 x 51mm)
- ◆ Weight: 8.90 oz. (252g)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Calibration screwdriver
- Plastic pipette
- Carrying case

UPC	NO.
44401 6	REF401


DS300RC

DIGITAL CHARGING SCALE – DS300RC

Ideal for accurate charging of refrigerant containers.

FEATURES:

- Constructed from rigid die cast aluminum
- Heavy duty load cell, built-in overload protection
- Low battery warning with auto power off
- Reading may be zeroed out at any time
- Reliable membrane key pad switches
- Displays readings in lb., oz. and kg
- Extra large LCD display
- Display unit is desk or wall mountable

SPECIFICATIONS:

- ◆ Measurement Range: 0 to 220 lb. (0 to 100kg)
- ◆ Measurement Accuracy: ± 1%
- ◆ Resolution: 0.5 oz. (5g)

- ◆ Operating Temperature: 32° to 115°F (0° to 45°C)
- ◆ Platform Dimensions: 8-3/4 x 8-3/4 in. (220 x 220mm)
- ◆ Weight: 116 oz. (3288g)
- ◆ Power Source: 1 “9V” battery (included)
- ◆ Battery Life: 40 hours (typical)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Molded hard case
- Battery

UPC	NO.
01245 1	DS300RC


PCT2236B


CONTACT/NON-CONTACT LASER TACHOMETER – PCT2236B

Ideal for making rotational or linear speed measurements.

FEATURES:

- Two measurement modes
- Auto power off (with disable)
- Wide measuring range
- Jumbo 5-digit LCD display
- Memory: Min/Max/Last
- Non-contact mode uses laser targeting

- ◆ Resolution: 0.1; RPM; (2.5 to 999 RPM); 1 RPM over 1,000 RPM)
- ◆ Sampling Period: 1 second
- ◆ Dimensions: 5.9 x 2 x 1.3 in. (150 x 51 x 33mm)
- ◆ Weight: 6.50 oz. (184.27g)
- ◆ Power Source: 4 “AA” batteries (included)
- ◆ Warranty: 1 year (limited)

CONTACT SPECIFICATIONS:

- ◆ Measurement Range: 0.5 to 99,999 RPM
- ◆ Accuracy: ±0.04% + 2 digits
- ◆ Resolution: 0.001; 0.01; 0.1; 1 RPM (depends on scale)
- ◆ Sampling Period: 1 second

NON-CONTACT SPECIFICATIONS:

- ◆ Measurement Range: 2.5 to 99,999 RPM
- ◆ Accuracy: ±0.05% + 1 digit

INCLUDES:

- RPM adapters
- Adhesive reflective tape
- Hard case
- 4 “AA” batteries
- User's manual

UPC	NO.
42110 9	PCT2236B



SPECIFICATIONS

Model No.	LT2234C	CT6235B	PCT2236B	PCT900
Name	Non-contact Laser Tachometer	Contact Tachometer	Contact/Non-contact Laser Tachometer	Combination Contact/Non-contact Laser Tachometer
Measurement Range	2.5 to 99,999 rpm	0.5 to 19,999 rpm	10 to 99,999 rpm	Non-contact: 6 to 99,999 rpm Contact: 6 to 25,000 rpm
Display	5-digit LCD	5-digit LCD	5-digit LCD	5-digit LCD
Accuracy	±0.05% of reading + 1 digit	±0.05% of reading + 1 digit	±0.04% of reading + 2 digits	±0.01% of reading + 1 digit up to 6,000 rpm; ±0.05% of reading + 1 digit above 6,000 rpm
Max Distance to Target (Non-contact mode)	20 in. (500mm)	n/a	20 in. (500mm)	39 in. (1m)
Memory	96 measurements + Min, Max, Last readings	96 measurements + Min, Max, Last readings	96 measurements + Min, Max, Last readings	40 points (10 each selectable Min, Max, Avg, Data measurements)
What's Included	Hard carrying case, reflective tape, batteries	Hard carrying case, rpm adapters, batteries	Hard carrying case, reflective tape, rpm adapters, batteries	Hard carrying case, reflective tape, rpm adapters, batteries

COMBINATION CONTACT/NON-CONTACT LASER TACHOMETER – PCT900

Ideal for a wide variety of RPM and surface speed measurements.

FEATURES:

- Counts total revolutions and measures rotational speeds as well as surface speeds and lengths
- Non-contact RPM measurements up to 1m from target
- Super-accurate (±0.01%) rpm measurements
- LCD display
- Auto power off
- 40 point memory: 10 selectable Max, Min, Avg and Data measurements
- CE and RoHS approved

SPECIFICATIONS:

- ♦ Rotational Speed Measurement Ranges: 6 to 25,000 rpm (contact), 6 to 99,999 rpm (non-contact)
- ♦ RPM Measurement Accuracy: ±0.01% + 1 digit from 6 to 6,000 rpm; ±0.05% + 1 digit above 6,000 rpm
- ♦ Surface Speed Measurement Range: 2 to 8202 ft./min (0.6 to 25,000 m/min)

- ♦ Length Measurement Range: 0.3 to 32,808 ft. (0.1 to 9,999m)
- ♦ Length/Surface Speed Measurement Accuracy: ±0.5% + 1 digit
- ♦ Response Time: 1 second
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Dimensions: 7.75 x 1.93 x 1.14 in. (146 x 49 x 29mm)
- ♦ Weight: 1 lb. (451g) without battery
- ♦ Power Source: 1 "9V" battery (not included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Cone adapter
- Funnel adapter
- Contact adapter
- Master wheel (100mm)
- Reflective tape
- Hard case
- User's manual

UPC NO.
40900 8 PCT900

CONTACT APPLICATION

NON-CONTACT APPLICATION — LASER SIMULATION



PCT900

AC & AC/DC TRMS Clamp Meters

GENERAL®**AUTO RANGING AC/DC TRUE RMS 400 AMP CLAMP METER – DAMP68**

Ideal for HVAC/R technicians. Also measures capacitance, frequency and temperature.

FEATURES:

- 11 functions, 34 ranges
- Measures temperature from -40° to 752°F (-40° to 400°C) using included "K" type thermocouple
- Computes and displays True RMS values
- Verifies integrity of diodes and checks circuits for continuity
- Jumbo 3-3/4 digit (4000 count) backlit LCD + analog bar graph
- Ergonomic design with rugged rubber housing
- Hall effect clamp jaw
- Auto and Manual ranging and MIN/MAX display options
- Data HOLD and REL (zero) buttons
- Safety rated CAT III 600V
- 1 year limited warranty

- ♦ Frequency Ranges / Accuracy: 0 to 100Hz/1kHz/10kHz/100kHz/1MHz/10MHz / $\pm 2\%$
- ♦ Capacitance Ranges / Accuracy: 0 to 40nF/400nF/4 μ F/40 μ F/400 μ F/4000 μ F / $\pm(4\% + 5 \text{ digits})$
- ♦ Temperature Range (via "K" type thermocouple) / Accuracy: 40° to 752°F (-40° to 400°C) $\pm(1.2\% + 6 \text{ digits})$ from 32° to 212°F
- ♦ Maximum Resolutions: 0.1A, 0.1mV, 0.1 Ω , 0.01Hz, 0.01nF, 1°
- ♦ Clamp Jaw Type / Opening: Coil-Type + Hall effect / 1.48 in. (37.5mm)
- ♦ Dimensions: 11.38 x 6.25 x 2.75 in. / (289 x 159 x 70mm)
- ♦ Weight: 19 oz. (539g)
- ♦ Power Source: 3 "AAA" batteries (included)

SPECIFICATIONS:

- ♦ AC Current Measurement Range / Accuracy: 0 to 400A / $\pm(3\% + 10 \text{ digits})$
- ♦ DC Current Range (via clamp) / Accuracy: 0 to 400A / $\pm(3\% + 5 \text{ digits})$
- ♦ AC Voltage Ranges / Accuracy: 0 to 400mV/4V/40V/400V/600V / $\pm(2\% + 10 \text{ digits})$ or better
- ♦ DC Voltage Ranges / Accuracy: 0 to 400mV/4V/40V/400V/600V / $\pm(0.8\% + 5 \text{ digits})$
- ♦ Resistance Ranges / Accuracy: 0 to 400 Ω /4k Ω /40k Ω /400k Ω /4M Ω /40M Ω / $\pm(2\% + 5 \text{ digits})$ or better

INCLUDES:

- "K" type thermocouple probe
- Test leads
- Batteries
- Carrying case
- User's manual

UPC01369 4
01521 6**NO.****DAMP68**
ACL10 15A Line Splitter (optional)**400A
AC/DC
TRMS****DAMP68****600A
AC****DAMP60****AUTO RANGING 600A AC CLAMP METER – DAMP60**

Ideal for general-purpose work.

FEATURES:

- 7 functions, 19 ranges
- Verifies integrity of diodes and checks circuits for continuity
- Jumbo 3-1/2 digit (2000 count) backlit LCD
- Ergonomic design with rugged rubber housing
- Coil-type clamp jaw
- Autoranging and MAX display options
- Data HOLD and REL (zero) buttons
- Safety rated CAT III 600V
- 1 year limited warranty

- ♦ Frequency Range / Accuracy: 10 to 1999Hz / $\pm(3\% + 10 \text{ digits})$
- ♦ Max Resolutions: 0.1A, 0.1mV, 0.1 Ω , 1Hz
- ♦ Clamp Jaw Type / Opening: Coil type / 1.48 in. (37.5mm)
- ♦ Dimensions: 11.25 x 6.13 x 2.75 in. / (286 x 156 x 70mm)
- ♦ Weight: 17 oz. (482g)
- ♦ Power Source: 2 "AAA" batteries (included)

SPECIFICATIONS:

- ♦ AC Current Measurement Ranges/Accuracy: 0 to 200A/600A / $\pm(3\% + 5 \text{ digits})$
- ♦ AC Voltage Ranges / Accuracy: 0 to 2V/20V/200V/600V / $\pm(1\% + 5 \text{ digits})$
- ♦ DC Voltage Ranges / Accuracy: 0 to 200mV/2V/20V/200V/600V / $\pm(0.8\% + 5 \text{ digits})$
- ♦ Resistance Ranges / Accuracy: 0 to 200 Ω /2k Ω /20k Ω /200k Ω /2M Ω /20M Ω / $\pm(2\% + 5 \text{ digits})$ or better

INCLUDES:

- Test leads
- Batteries
- Carrying case
- User's manual

UPC01356 4
01521 6**NO.****DAMP60**
ACL10 15A Line Splitter (optional)**KEY FEATURES &**

Parameter or Feature	
Functions/Ranges	
NCV Detection Threshold	
Safety Rating	
Parameters Measured	
TRMS	
AC Current Range (via clamp)	
DC Current Range (via clamp)	
AC/DC Voltage Range	
Max Count/Max Current & Voltage Resolutions	
Resistance Range	
Frequency Range	
Capacitance Range	
Temperature Range (via "K" type thermocouple)	
Clamp Jaw Type / Opening	
Analog Bar Graph	
Ranging Options	
Zero Offset	
Data Hold	
Memory	
Continuity Threshold	
Duty Cycle Range	
Dimensions	
Weight	
Power Source	

AC/DC TRMS Clamp Meters

AUTO RANGING TRUE RMS AC/DC CLAMP METERS

• **CM660: 0 TO 600A RANGE, 0.01A MAX RESOLUTION**

• **CM700: 0 TO 1000A RANGE, 0.1A MAX RESOLUTION**

Ideal for electricians, HVAC/R contractors, building maintenance professionals and maintenance/repair/operations (MRO) technicians

FEATURES:

- 16 functions, 49 ranges
- Measures temperature from 40° to 932°F (-40° to 500°C) using included "K" type thermocouple
- Uses beeper to verify integrity of diodes and check circuits for continuity
- 0-2000µA DC range for measuring flame rod current with 0.1µA resolution using included test leads
- Built-in Non-Contact Voltage (NCV) detector with 4 sensitivity settings & audible and visual alerts
- More and better features than competitive units in same price class
- Large backlit digital LCD with two 6000-count readouts for simultaneous display of real-time current or voltage on primary readout and line frequency on secondary readout
- Fast-response analog bar graph
- Bright LED work light
- Auto and Manual ranging and MIN/MAX options
- Data HOLD and REL (zero) buttons
- Fast PEAK HOLD function for measuring inrush current during motor startup
- 1.57 in. (40mm) jaw opening (largest in its class) for conductors up to 550 MCM resists side torque

- Rugged housing can survive multiple drops onto concrete from height of 5 ft. (1.6m)
- Safety rated CAT III 1000V, CAT IV 600V
- 1 year limited warranty

SPECIFICATIONS:

- ♦ AC Current Measurement Ranges / Accuracy: 0 to 60A/600A (CM660), 0 to 600A/1000A (CM700) / $\pm(1.8\% + 5 \text{ counts})$
- ♦ DC Current Ranges (via clamp) / Accuracy: 0 to 60A/600A (CM660), 0 to 600A/1000A (CM700) / $\pm(3\% + 5 \text{ digits})$
- ♦ AC Voltage Ranges / Accuracy: 0 to 600mV/6V/60V/600V $\pm(0.8\% + 3 \text{ digits})$
- ♦ DC Voltage Ranges / Accuracy: 0 to 600mV/6V/60V/600V / $\pm(0.5\% + 3 \text{ digits})$
- ♦ Resistance Ranges / Accuracy: 0 to 600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ / $\pm(0.8\% + 3 \text{ digits})$
- ♦ Frequency Ranges / Accuracy: 10Hz to 60Hz/600Hz/6kHz (clamp jaw); 10Hz to 60Hz/600Hz/6kHz/60kHz/600kHz/6MHz/60MHz (test leads) / $\pm(1.5\% + 5 \text{ digits})$ (clamp jaw); $\pm(0.3\% + 5 \text{ digits})$ (test leads)

- ♦ Capacitance Ranges / Accuracy: 0 to 6nF/60nF/600nF/6µF/60µF/600µF/6000µF/60,000µF / $\pm(4\% \pm 5 \text{ digits})$
- ♦ Temperature Range (via "K" type thermocouple) / Accuracy: -40° to 932°F (-40° to 500°C) / $\pm(5\% + 3.3^\circ\text{F})$ from -40° to 14°F; $\pm(1\% + 1.5^\circ\text{F})$ from 14° to 932°F
- ♦ Duty Cycle Range / Accuracy: 5 to 95% / $\pm 3\%$
- ♦ Maximum Resolutions: 0.1A (CM600), 0.01A (CM700), 0.1mV, 0.1Ω, 0.01Hz, 0.001nF, 2°F/1°C, 0.1%
- ♦ Clamp Jaw Type / Opening: Coil Type + Hall effect / 1.57 in. (40mm)
- ♦ Dimensions: 8.86 x 3.31 x 1.30 in. / (225 x 84 x 33mm)
- ♦ Weight: 12.4 oz. (350g)
- ♦ Power Source: 3 "AAA" batteries (included)

INCLUDES:

- Double-insulated test leads
- "K" type thermocouple probe
- Batteries
- Carrying case
- User's manual

UPC	NO.
01629 9	CM660
01633 6	CM700
01521 6	ACL10 15A Line Splitter (optional)

SPECIFICATIONS COMPARISON

	DAMP60	DAMP68	CM660	CM700
	7 Functions, 19 Ranges	11 Functions, 31 Ranges	16 Functions, 49 Ranges	16 Functions, 49 Ranges
	N/A	N/A	80VAC	80VAC
	CAT III 600V	CAT III 600V	CAT III 1000V, CAT IV 600V	CAT III 1000V, CAT IV 600V
	AC current, AC/DC voltage, resistance, frequency, continuity, diode integrity	AC/DC current, AC/DC voltage, resistance, frequency, continuity, diode integrity, capacitance, temperature	AC/DC current, AC/DC voltage, resistance, frequency, continuity, diode integrity, capacitance, temperature, duty cycle	AC/DC current, AC/DC voltage, resistance, frequency, continuity, diode integrity, capacitance, temperature, duty cycle
	N/A	Yes	Yes	Yes
	0 to 600A	0 to 400A	0 to 600A	0 to 1000A
	N/A	0 to 400A	0 to 600A	0 to 1000A
	0 to 600V	0 to 600V	0 to 600V	0 to 600V
	2000/0.1A, 0.1mV	4000/0.1A, 0.1mV	6000/0.01A, 0.1mV	6000/0.1A, 0.1mV
	0 to 20MΩ	0 to 40MΩ	0 to 60MΩ	0 to 60MΩ
	10 to 1999Hz	0 to 9.999MHz	10 to 1000Hz using clamp jaw; 10Hz to 10MHz using test leads	10 to 1000Hz using clamp jaw; 10Hz to 10MHz using test leads
	N/A	0 to 4000µF	0 to 60,000µF	0 to 60,000µF
	N/A	-40 to 752°F (-40° to 400°C)	-40° to 932°F (-40° to 500°C)	-40° to 932°F (-40° to 500°C)
	Coil-type 1.48 in. (37.5mm)	Coil Type + Hall effect, 1.48 in. (37.5mm)	Coil Type + Hall effect, 1.57 in. (40mm)	Coil Type + Hall effect, 1.57 in. (40mm)
	N/A	Yes	Yes	Yes
	Autoranging only	Auto or manual	Auto or manual	Auto or manual
	N/A	Yes	Yes	Yes
	Yes	Yes	Yes	Yes
	Max value	No	Min, Max values	Min, Max values
	≤ 50Ω	≤ 50Ω	≤ 50Ω	≤ 50Ω
	N/A	N/A	5.0 to 99.5%	5.0 to 99.5%
	11.25 x 6.13 x 2.75 in. (286 x 156 x 70mm)	11.38 x 6.25 x 2.75 in. (289 x 159 x 70mm)	8.86 x 3.31 x 1.30 in. (225 x 84 x 33mm)	8.86 x 3.31 x 1.30 in. (225 x 84 x 33mm)
	17 oz. (482g)	19 oz. (539g)	12.4 oz. (350g)	12.4 oz. (350g)
	2 "AAA" batteries (included)	3 "AAA" batteries (included)	3 "AAA" batteries (included)	3 "AAA" batteries (included)





DMM40

MANUAL RANGING DIGITAL MULTIMETER W/BACKLIGHT – DMM40

Ideal for measuring AC/DC voltage, DC current, resistance.

FEATURES:

- Easy to use, with large bright display
- Also checks continuity and diode integrity
- CAT III 600V ETL rated
- Large backlit 3-1/2 digit (1999 count) LCD
- High-impact thermoplastic case

SPECIFICATIONS:

- ♦ AC Voltage Measurement Range/Accuracy: 0 to 500V over two ranges/ $\pm(2.5\% + 5 \text{ digits})$
- ♦ DC Voltage Measurement Range/Accuracy: 0 to 500V over five ranges/ $\pm(1.2\% + 2 \text{ digits})$
- ♦ DC Current Measurement Range/Accuracy: 0 to 200 mA over four ranges/ $\pm(1.8\% + 2 \text{ digits})$
- ♦ Resistance Measurement Range/Accuracy: 0 to 20M Ω over 5 ranges/ $\pm(1.5\% + 2 \text{ digits})$

- ♦ Digit Height: 0.68 in. (17mm)
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Dimensions: 5.5 x 3.4 x 1.3 in. (140 x 85 x 34mm)
- ♦ Weight: 6.5 oz. (184g) with battery
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Test leads
- Battery
- User's manual

UPC	NO.
50122 1	DMM40



DMM45

DIGITAL MULTIMETER—AUTO RANGING W/BACKLIGHT – DMM45

Ideal for measuring AC/DC voltage, AC/DC current, resistance.

FEATURES:

- Easy to use, with large bright display
- Also measures temperature with included "K" type thermocouple probe
- Also checks continuity and diode integrity
- Auto ranging
- CAT III 600V ETL rated
- Large backlit 3-1/2 digit (1999 count) LCD
- High-impact thermoplastic case

SPECIFICATIONS:

- ♦ AC Voltage Measurement Range/Accuracy: 0 to 500V/ $\pm(0.8\% + 5 \text{ digits})$
- ♦ DC Voltage Measurement Range/Accuracy: 0 to 500V/ $\pm(0.5\% + 5 \text{ digits})$
- ♦ AC Current Measurement Range/Accuracy: 0 to 200 mA/ $\pm(1.8\% + 3 \text{ digits})$
- ♦ DC Current Measurement Range/Accuracy: 0 to 200 mA/ $\pm(1.8\% + 2 \text{ digits})$

- ♦ Resistance Measurement Range/Accuracy: 0 to 20M Ω / $\pm(0.8\% + 5 \text{ digits})$ under 1M Ω ; $\pm(2\% + 5 \text{ digits})$ above 1M Ω
- ♦ Temperature Measurement Range/Accuracy: -40° to 752°F (-40° to 400°C)/ $\pm(1.2\% + 7 \text{ digits})$ from 32°F to 212°F
- ♦ Digit Height: 0.63 in. (16mm)
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Dimensions: 5.5 x 3.4 x 1.3 in. (140 x 85 x 34mm)
- ♦ Weight: 6.5 oz. (184g) with battery
- ♦ Power Source: 2 "AAA" batteries (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- "K" type probe
- Test leads
- Batteries
- User's manual

UPC	NO.
50123 8	DMM45



DMM20UL

DIGITAL UL LISTED MULTIMETER – DMM20UL

• Ideal for measuring AC/DC voltage, DC current, resistance, continuity, diode integrity.

FEATURES:

- 20 ranges
- Economical and pocket-sized
- Large LCD display
- Safety-recessed test lead sockets
- High-impact thermoplastic case
- UL listed

SPECIFICATIONS:

- ♦ AC Voltage Measurement Range/Accuracy: 0 to 600V/ $\pm 2.5\%$
- ♦ DC Voltage Measurement Range/Accuracy: 0 to 600V/ $\pm 2\%$
- ♦ DC Current Measurement Range/Accuracy: 0 to 10A/ $\pm 1\%$

- ♦ Resistance Measurement Range/Accuracy: 0 to 20M Ω / $\pm 1.5\%$
- ♦ Dimensions: 9.00 x 5.50 x 1.25 in. (228.6 x 139.7 x 31.75mm)
- ♦ Weight: 8.00 oz. (226.8g)
- ♦ Power Source: 1 "9V" battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Test leads
- Battery
- Operating instructions

UPC	NO.
50121 4	DMM20UL

ANALOG MULTIMETER – AM35UL

Ideal for measuring DC current and resistance, AC/DC voltage.

FEATURES:

- DC current, resistance
- 13 Ranges
- Fuse and diode protected
- Single knob function and range selector switch
- Self-storing leads
- Eliminates AC ghosting voltages
- UL listed

SPECIFICATIONS:

- ♦ AC/DC Voltage Measurement Range: 0 to 500V

- ♦ DC Current Measurement Range: 0 to 250mA
- ♦ Resistance Measurement Range: 0 to 1MΩ
- ♦ Dimensions: 4 x 2.5 x 0.75 in. (102 x 64 x 19mm)
- ♦ Weight: 2.75ozs (77.96g)
- ♦ Power Source: 1 “AA” battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Test leads • Battery • Operating instructions

UPC	NO.
50005 7	AM35UL



AM35UL

ECONOMY DIGITAL MULTIMETER WITH LED AND CONTINUITY BEEPER – DMM830HS

Ideal for audible continuity indications.

FEATURES:

- 20 ranges
- 3-1/2-digit LCD
- Red LED identifies hot side lead
- Ground disconnect check circuit

SPECIFICATIONS:

- ♦ AC Voltage Range/Accuracy: 0 to 750V/±(1.2% + 10 digits) or better
- ♦ DC Voltage Range/Accuracy: 0 to 1000V/±(1.2% + 2 digits) or better
- ♦ DC Current Range/Accuracy: 0 to 10A/±(2% + 2 digits) or better
- ♦ Resistance Range/Accuracy: 0 to 2MΩ/±(1% + 2 digits)

- ♦ Input Impedance: 10MΩ for all ranges
- ♦ hFE Range: 0 to 1000
- ♦ Display Digit Height: 0.5 in. (13mm)
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C) @ <80% relative humidity
- ♦ Dimensions: 5.2 x 2.8 x 1.0 in. (132 x 70 x 25mm)
- ♦ Weight: 4.9 oz. (138.9g)
- ♦ Power Source: 1 “9V” battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Test leads • Battery • Operating instructions

UPC	NO.
50100 9	DMM830HS



DMM830HS

DIGITAL SERVICE MULTIMETER – DMM51FSG

Ideal for HVAC/R and industrial applications.

FEATURES:

- 34 overload-protected ranges
- Jumbo 3-1/2-digit (1999 count) LCD
- Protective boot with 3-position tilt stand
- Low battery alert

SPECIFICATIONS:

- ♦ AC Voltage Range/Accuracy: 0 to 750V/±(1.2% + 3 digits) or better
- ♦ DC Voltage Range/Accuracy: 0 to 1000V/±(0.8% + 2 digits) or better
- ♦ AC/DC Current Range/Accuracy: 0 to 10A/±(3% + 7 digits) or better
- ♦ Resistance Range/Accuracy: 0 to 200MΩ/±(0.8% + 10 digits) <2MΩ, ±(5% + 10 digits) or better >2MΩ

- ♦ Input Impedance: 10MΩ for all ranges
- ♦ hFE Measurement Range: 0 to 1000
- ♦ Display Digit Height: 1.06 in. (27mm)
- ♦ Operating Temperature: 32° to 104°F (0° to 40°C) @ <80% relative humidity
- ♦ Dimensions: 7.5 x 3.5 x 1.3 in. (190 x 88 x 34mm)
- ♦ Weight: 19.4 oz. (550g) with test leads, holster and tilt stand
- ♦ Power Source: 1 “9V” battery (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- All weather test leads
- Rubber Holster • Battery • User's manual

UPC	NO.
50190 0	DMM51FSG



DMM51FSG

DIGITAL CREDIT CARD STYLE MULTIMETER – DMM333

Ideal for portability. Fits in shirt pocket.

FEATURES:

- 25 ranges
- Large 2000-count LCD
- Data hold + max hold
- Low battery indicator
- Auto power off

SPECIFICATIONS:

- ♦ AC Voltage Range/Accuracy: 0 to 500V/±(0.8% + 1 digit)
- ♦ DC Voltage Range/Accuracy: 0 to 500V/±(0.5% + 5 digits)
- ♦ AC/DC Current Range/Accuracy: 0 to 200mA/±(1.8% + 5 digits)

- ♦ Resistance Range/Accuracy: 0 to 20MΩ/±(0.8% + 5 digits) <1MΩ, ±(2% + 5 digits) >1MΩ
- ♦ Input Impedance (in DCV mode): 10MΩ
- ♦ Operating Temperature: 32° to 140°F (0° to 60°C) @ <75% relative humidity
- ♦ Dimensions: 4.5 x 2.3 x 0.5 in. (115 x 58 x 12mm)
- ♦ Weight: 3 oz. (84g)
- ♦ Power Source: 2 “LR44” batteries (included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Test leads • Batteries • User's manual

UPC	NO.
50105 4	DMM333



DMM333

CE



RECEIVER



SIDE VIEW



BF10



TRANSMITTER/SOCKET TESTER



FINDING A BREAKER ASSOCIATED WITH AN OUTLET IS AS EASY AS WAVING A WAND



TRANSMITTER DOUBLES AS A SOCKET TESTER

AC CIRCUIT BREAKER FINDER – BF10

Ideal for quickly identifying individual branch circuits and wiring faults without interrupting power. Includes receptacle tester with auto sense feature.

FEATURES:

- Fully automatic operation turns two-man jobs into one-man jobs
- Locates the breaker associated with any 110V outlet without tripping the breaker
- Local socket test
- Identifies any outlet wiring faults
- Designed To Safety Standard IEC 61010-1: CAT II 600V, CAT III 300V
- Built-in flashlight for use in dark areas
- Compatible with GFCI receptacles
- Audible and visual (LED) indications
- Low battery warning
- Wiring Fault Indications: Correct Wiring, Missing Earth, Missing Neutral, Live & Earth Reversed, Live & Neutral Reversed, Open Circuit
- CE approved

SPECIFICATIONS:

- ♦ Dimensions:
Transmitter: 2.8 x 2.5 x 2.3 in. (71 x 64 x 58mm)
Receiver: 7.4 x 1.8 x 1.5 in. (188 x 46 x 38mm)
- ♦ Weight: **Transmitter:** 2.1 oz. (60g)
Receiver: 4.3 oz. (122g)
- ♦ Power Source: 1 "9V" battery (not included)
- ♦ Warranty: 1 year (limited)

INCLUDES:

- Carrying Case
- Operating Instructions

UPC	NO.
01565 0	BF10

AC CIRCUIT ANALYZER – CA10

Ideal for identifying 110/220VAC power circuit and wiring problems that can cause shocks, sparks, fires, equipment failures and poor equipment performance.

FEATURES:

- Measures a branch circuit's line voltage, peak voltage and neutral-to-ground voltage
- Calculates a circuit's voltage drop in response to 12A, 15A and 20A loads
- Measures the impedance of hot, neutral and ground conductors as well as available short-circuit current (ASCC)
- Identifies wiring configurations and detects wiring faults and missing ground wires
- Tests the reliability and response time of GFCIs (ground fault circuit interrupters) and RCDs (residual current devices)
- Displays True RMS readings of all voltages except peak voltages
- Works with 2- and 3-phase circuits
- Jumbo LCD with 30-second backlight
- Familiar menu/sub-menu operation
- Data HOLD button and 30-minute auto power off
- Powered by six "AAA" batteries (included)

- ♦ Voltage Drop Measurement Range/Accuracy: 0.1 to 99.9%/ $\pm(2.5\%+0.2\%)$
- ♦ Load Voltage Measurement Range/Accuracy: 10 to 265V/ $\pm(2.5\%+0.2V)$
- ♦ Neutral-to-Earth Voltage Measurement Range/Accuracy: 0 to 10VAC/ $\pm(2.5\%+0.2V)$
- ♦ Hot, Neutral and Ground Line Impedance Measurement Range/Accuracy: 0 to 3 Ω / $\pm(2.5\%+0.02\Omega)$
- ♦ RCD Triggering Time Measurement Range/Accuracy: 1ms to 6.5 seconds/ $\pm(1.0\%+2ms)$
- ♦ RCD Triggering Current Measurement Range/Accuracy: 30 to 37mA/ $\pm(1.0\%+0.2mA)$
- ♦ GFCI Triggering Time Measurement Range/Accuracy: 1ms to 6.5 seconds/ $\pm(1.0\%+2ms)$
- ♦ Operating/Storage Temperature: 32° to 122°F (0° to 50°C) @ <80% RH
- ♦ Dimensions: 7.6 x 3.1 x 1.5 in. (193 x 78 x 39mm)
- ♦ Weight (without Batteries): 10.4 oz. (295g)
- ♦ Power Source: 6 "AAA" batteries (included)
- ♦ Warranty: 1 year (limited)

SPECIFICATIONS:

- ♦ Line Voltage Measurement Range/Accuracy: 85 to 265VAC/ $\pm(1.0\%+0.2V)$
- ♦ Peak Voltage Measurement Range/Accuracy: 121 to 374VAC/ $\pm(1.0\%+0.2V)$
- ♦ Line Frequency Measurement Range/Accuracy: 45 to 65 Hz/ $\pm(1.0\%+0.2Hz)$

INCLUDES:

- 12 AWG, 20 in. (0.5m) Long Test Cable
- 6 "AAA" Batteries
- Soft Carrying Case
- User's Manual

UPC	NO.
01566 7	CA10



CA10

AUTOMATIC DIGITAL CAPACITOR TESTER – CAP1500

Ideal for checking capacitor ranges.

FEATURES:

- Wide measurement range
- Uses precision dual slope A/D converter
- Alligator clip leads for in-circuit testing
- Fast sampling time
- 3-1/2-digit (1999 count) LCD
- Fuse-protected from overloads
- Low battery indication

SPECIFICATIONS:

- ◆ Measurement Range: 0 to 20mF over 9 ranges
- ◆ Measurement Accuracy:
±(0.5% + 1 digit) or better below 20uF;
±(5% + 5 digits) or better above 20uF
- ◆ Sampling Time: 0.4 seconds
- ◆ Operating Temperature: 32° to 122°F
(0° to 50°C) @ <75% relative humidity

- ◆ Dimensions: 5.3 x 2.8 x 1.4 in. (135 x 71 x 36mm)
- ◆ Weight: 7.1 oz. (201g)
- ◆ Power Source: 1 “9V” battery (included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- Alligator clip test leads
- Soft case
- Battery
- User's manual

UPC	NO.
50192 4	CAP1500



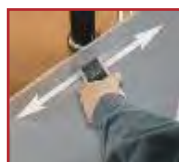
CAP1500

DIGITAL 3-IN-1 LCD STUD/VOLTAGE/METAL DETECTOR – MSV350D

Ideal for locating studs, pipes, wires carrying voltage and hidden metal.

FEATURES:

- Uses LCD scanning indicators and buzzer to indicate direction and position of stud, batten, metal object or wiring
- Detects/distinguishes between metal pipes/tubes and hot wires with variable sensitivity
- Also distinguishes between battens and studs
- Simultaneously detects studs and metal/wiring
- Needs no probe
- Battery charge indicator
- Auto power off



SPECIFICATIONS:

- ◆ Dimensions: 6.1 x 2.6 x 1.3 in. (155 x 65 x 32mm)
- ◆ Weight: 6.5 oz. (185g)
- ◆ Power Source: 1 “9V” battery (not included)
- ◆ Warranty: 1 year (limited)

INCLUDES:

- User's manual



MSV350D

3 WIRE TESTER WITH GFCI – GF1302

Ideal for checking wall outlets.

FEATURES:

- Detects faulty wiring in 3-wire receptacles with ground fault circuit interrupters
- Different combinations of three lights indicate six different fault types
- Designed for 120VAC circuits
- UL listed

UPC	NO.
51067 4	GF1302



GF1302

BRIGHT RED LED SCREWDRIVER/CONTINUITY TESTER – ST600LED

Ideal for checking for continuity and voltage.

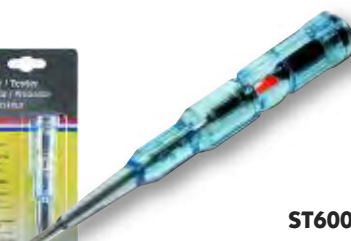
FEATURES:

- Bright red LED indicates hot side and continuity
- Continuity and polarity checks
- Microwave leakage test
- Checks fuses and bulbs
- Drop-resistant to 10 ft.

SPECIFICATIONS:

- ◆ AC Voltage Test Range: 70 to 250V (contact method); 70 to 600V (non-contact method)
- ◆ DC Voltage Test Range: 0 to 250V
- ◆ Continuity Test Range: 0 to 50MΩ
- ◆ Polarity Test Range: 1.5 to 36VDC
- ◆ Microwave Leakage Test: >5mW/cm²
- ◆ Power Source: 1 “LR44” battery (included)

UPC	NO.
51115 2	ST600LED



ST600LED



CT101

LINE VOLTAGE TESTER – CT101

Ideal for checking outlet wiring.

FEATURES:

- Easy to use
- Insulated probes
- Handy pocket clip
- UL Listed

SPECIFICATIONS:

- ♦ AC/DC Voltage Measurement Range: 80 to 500V
- ♦ Maximum Current: 0.3A
- ♦ ASWG: 18

UPC	NO.
51025 4	CT101



CT102

LOW VOLTAGE TESTER – CT102

Ideal for checking doorbell transformers and low voltage relays.

FEATURES:

- Easy to use
- Insulated boots
- Alligator clips
- Handy pocket clip

SPECIFICATIONS:

- ♦ AC/DC Voltage Measurement Range: 5 to 50V
- ♦ Maximum Current: 5A
- ♦ ASWG: 20

UPC	NO.
51035 3	CT102



VS3000A

AUDIBLE/VISUAL NON-CONTACT VOLTAGE TESTER, ETL CERTIFIED – VS3000A

Ideal for safely detecting energized wires and the hot side of AC outlets.

FEATURES:

- Beeper sounds and LED lights when voltage is detected
- Safe for CAT III 1000V use
- ETL certified and UL approved
- Automatic battery check function
- “Tester left on” reminder
- Pocket clip

SPECIFICATIONS:

- ♦ Detection Range: 70 to 1000V @ 50/60Hz
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C) at <95% RH
- ♦ Regulatory Compliance: ETL certified
Conforms to UL 61010-1 and 61010-2-030
Certified to CAN/CSA C22.2 Nos. 61010-1 and 61010-2-030
- ♦ Dimensions: 6.0 x 0.9 x 0.8 in. (152 x 23 x 20 mm)
- ♦ Weight (with batteries): 1.7 oz. (55g)
- ♦ Power Source: 2 “AAA” batteries (included)

UPC	NO.
51000 1	VS3000A

Starter Switch & Test Leads

STARTER SWITCH 16/2, 20 AMP, PUSH BUTTON (UL SWITCH) – SSC6

Quickly hooks up motors/machinery for testing.

FEATURES:

- Red and black heavy duty boots
- Large clips
- Push button start switch
- Replaces any C-6 start switch

SPECIFICATIONS:

- ◆ Maximum Current: 15A
- ◆ ASWG: 16/2
- ◆ Length: 2 ft. (610mm)
- ◆ Weight: 8.3 oz. (240g)

UPC	NO.
51145 9	SSC6



SSC6

TEST CORD (MALE) – CT600M

Brings power to remote areas without 110V outlet.

FEATURES:

- Red and black heavy duty boots
- Large clips
- 2 wire

SPECIFICATIONS:

- ◆ Maximum Current: 13A
- ◆ Maximum Voltage: 125V
- ◆ ASWG: 16
- ◆ Length: 6 ft. (1.83m)
- ◆ Weight: 8 oz. (227g)

UPC	NO.
50601 1	CT600M



CT600M

TEST CORD (FEMALE) – CT700F

Brings power to remote areas without 110V outlet.

FEATURES:

- Red and black heavy duty boots
- Large clips
- 3 wire
- Brings power to remote areas without 110V outlet

SPECIFICATIONS:

- ◆ Maximum Current: 13A
- ◆ Maximum Voltage: 125V
- ◆ ASWG: 16
- ◆ Length: 2 ft. (610mm)
- ◆ Weight: 5.7 oz. (163g)

UPC	NO.
51095 7	CT700F



CT700F

MULTI-COLORED TEST LEADS – CT800

Handy set of multiple jumpers.

FEATURES:

- 10 alligator-clip leads: 2 each white, red, black, yellow and green

SPECIFICATIONS:

- ◆ Maximum Voltage: 300V
- ◆ ASWG: 22
- ◆ Length: 18 in. (457mm)
- ◆ Weight: 2.9 oz. (82g)

UPC	NO.
51105 3	CT800



CT800

STANDARD TEST LEADS – TL100

Ideal for use as AC jumpers.

FEATURES:

- 3 ft. long
- 1 each Red & Black

SPECIFICATIONS:

- ◆ Maximum Current: 10A
- ◆ Maximum Voltage: 300V
- ◆ ASWG: 16
- ◆ Length: 3 ft. (914mm)
- ◆ Weight: 1.9 oz. (54g)

UPC	NO.
51125 1	TL100



TL100

S106

**TUBING BENDERS – S016**

- These tools eliminate crimping and collapsing of copper and other thin wall tubing. Made of oil hardened and tempered spring steel
- Tubing bender set contains one each of the sizes listed below, packaged in a display box
- Available in individual sizes

UPC	NO.	TUBE SIZE OUTSIDE DIA.
11009 1	S106	1/4", 5/16", 3/8", 7/16", 1/2", 5/8"



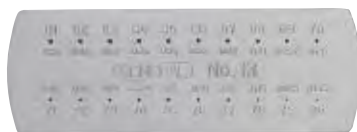
151

FLARING TOOL – 151

- High quality tool moderately priced
- Screw yoke slips quickly over bars without removing heavy-duty wing nuts
- Yoke has a freewheeling 45° plated cone for faster, smoother flaring and greater strength in flaring copper, aluminum, brass and thin wall tubing
- Large heavy-duty hardened feed thread for durability
- Long sliding T-handle provides maximum leverage

- Quick opening plated bars for easy insertion and removal of tubing
- Size individually marked on bars
- Extra long bars to fit in vice, for easier flaring
- Cast iron yoke

UPC	NO.	CAPACITY
14008 1	151 (Standard)	3/16", 1/4", 5/16", 3/8", 7/16" 1/2", 5/8"



13

DRILL GAGE – 13

- General's drill gages are used to quickly and conveniently identify drill bit sizes
- Made of heat treated heavy gage steel, machined and ground to close tolerances

- Hole sizes and decimal equivalents are permanently marked on the face
- 3" x 1-1/8" wide.

UPC	NO.
22006 6	13 Number size drills 61 to 80



20

**WIRE GAGE – 20**

- American Standard wire gage 0 to 36
- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Decimal equivalents of each size are stamped on reverse side
- Satin finished, heavy gage hardened and tempered steel
- 3-1/4" diameter, 3/32" thick

UPC	NO.
22036 3	20



21

**SHEET METAL GAGE – 21**

- Gage numbers are U.S. Standard 0 to 36
- For gaging uncoated sheet metal, plate iron and steel
- Decimal equivalents of each size are stamped on reverse side
- Satin finished, heavy gage steel is hardened and tempered
- 3-1/4" diameter, 3/32" thick

UPC	NO.
22041 7	21

TUBING CUTTER – 120

- Newly redesigned contoured shape comfort grip design
- Bearing tool steel cutter wheel
- Wide hardened flared grooved rollers allow cuts close to a flared end to avoid tube replacement in existing installations
- Full sized fold out reamer with double cutting edges

- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Large knob with a covered extra cutter wheel storage space

UPC	NO.	CAPACITY
12003 8	120	1/8" to 1-1/8" (3.18 to 28.58mm)
12023 6	RW121/2	Replaceable Cutting Wheel
12027 4	RW122	Replaceable Cutting Wheel



PIPE AND TUBING CUTTER – 126

- General's best quality tubing and pipe cutter is designed to meet the demanding needs of the professional
- Quick release button to speed use
- Capacity 1/4" – 2-5/8" (6 – 67mm)
- For cutting copper, aluminum, thin wall tubing, iron and PVC
- Heavy-duty construction for tube or pipe
- Four rollers to accommodate multiple pipe sizes and prevent spiraling

- Removable machinists reamer to easily deburr pipe
- Quick open and close mechanism to speed use
- Extra wheel storage available in handle

UPC	NO.	CAPACITY
12017 5	126	1/8" to 2-5/8" (6.35 to 66.68mm)
12023 6	RW121/2	Replaceable Cutting Wheel
12027 4	RW122	Replaceable Cutting Wheel



MINI TUBING CUTTER – 129X

- Comfort grip design for easy turning
- Full size bearing tool steel cutter wheel
- Large fluted adjusting knob for greater torque
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Wide hardened flared grooved rollers allows true cuts close to flared end tubing to avoid tube replacement in existing installations
- 1-1/2" swing radius

UPC	NO.	CAPACITY
12032 8	129X	1/8" to 7/8" (3.18 to 22.23mm)
12023 6	RW121/2	Replaceable Cutting Wheel



MICRO TUBING CUTTER – 123R

- Comfort grip design for easy turning
- Full size bearing tool steel cutter wheel
- Large fluted adjusting knob for greater torque
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Wide hardened flared grooved rollers allows true cuts close to flared end tubing to avoid tube replacement in existing installations

- 1-3/8" swing radius
 - Replaceable cutting wheel, RW121/2
- | UPC | NO. | CAPACITY |
|---------|----------------|------------------------------|
| 12009 0 | 123R | 1/8" to 5/8"
(3mm – 15mm) |
| 12023 6 | RW121/2 | Replaceable
Cutting Wheel |



E-Z™ RATCHET TUBING CUTTER – 133

- Ratcheting action rotates the cutter around the tube allowing a standard size cutter to be used in close quarter applications
- Longer handle requires less effort to rotate cutter reducing hand fatigue
- Wide hardened flared grooved rollers allow true cuts close to flared end tubing to avoid tube replacement in existing installations
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Spare cutting wheel supplied in handle
- Replaceable cutting wheel: RW121/2

UPC	NO.	CAPACITY
13300 7	133	5/16" to 1-1/8" (7.94 to 28.58mm)
12023 6	RW121/2	Replaceable Cutting Wheel



SPECIALTY HAND TOOLS

Pipe & Hose Cutters

GENERAL®



118



HEAVY-DUTY PIPE AND HOSE CUTTER – 118

Ideal for repeated heavy-duty cutting.

- Cuts hose, PVC, CPVC, polyethylene, PEX and ABS up to 2"
- Ratchet action for easy cutting
- High carbon steel blade provides longer sharpness and clean cuts
- Aluminum body is lighter and corrosion proof
- Safety locking clasp
- ♦ Dimensions: 17.00 x 5.13 x 1.63 in.
(431.8 x 130.30 x 41.40mm)
- ♦ Weight: 39.70 oz. (1125.47g)

UPC	NO.	CAPACITY/(MM)	LENGTH/(MM)
01181 7	118	up to 2" (50mm)	17" (425mm)
01180 0	118BG	Replacement Blade	



115



HOSE AND TUBING CUTTER – 115

Ideal for Cutting flexible rubber, PVC, ABS & polyethylene tubing.

- Long handles provide added leverage for easy cuts
- Curved holder supports hose for square cuts
- Replaceable steel blade
- Capacities: rubber hose 2", polyethylene and ABS pipe 1", PVC pipe 1"
- ♦ Dimensions: 9.50 x 2.13 x 1.00 in.
(241.30 x 54.10 x 25.40mm)
- ♦ Weight: 4.85 oz. (137.50g)

UPC	NO.	CAPACITY/(MM)	LENGTH/(MM)
01150 3	115	1" to 2" (25mm – 50mm)	9-1/2" (241mm)
11500 3	115B	Replacement Blade	



1191



ONE-HANDED PVC/HOSE CUTTER – 1191

Ideal for cutting PVC, PE, PEX, ABS pipe.

- Professional quality, all-metal construction for greater durability
- Ratcheting action for easy cutting
- High carbon steel blade provides longer sharpness and clean cuts
- Handle locks for safety
- Ergonomically designed handle for comfort
- ♦ Dimensions: 7.63 x 3.38 x 3.38 in.
(193.80 x 85.85 x 85.85mm)
- ♦ Weight: 8.35 oz. (236.72g)

UPC	NO.	CAPACITY/(MM)	LENGTH/(MM)
01191 6	1191	up to 1.625" (40mm)	9.125" (231mm)

Patented



119



ONE-HANDED PLASTIC PIPE AND HOSE CUTTER – 119

For cutting PVC, CPVC, Polyethylene, PEX and ABS tubing.

- One-handed Operation
- Quick-Blade Reset
- Comes with extra blade
- Ratchet system holds blade in place while you adjust your grip to increase pressure
- High carbon steel blade maintains sharpness and resists chipping
- Handle locking strap for safe storage
- Exclusive, easy replaceable blade feature
- Ergonomically designed handle for comfort
- ♦ Dimensions: 9.25 x 3.78 x 1.00 in.
(234.95 x 96.01 x 25.40mm)
- ♦ Weight: 8.35 oz. (236.72g)

UPC	NO.	CAPACITY/MM	LENGTH/MM
31173 3	119	.125" to 1.625" 3mm to 40mm	8.25" (425mm)
01194 7	119BG	Replacement Blade	

POCKET 4-IN-1 MINI SCREWDRIVER – 744, 744DB, 744CD

Ideal for technicians, hobbyists and do-it-yourselfers.

- 2 double-ended chrome vanadium blades
- 1/16" and 1/8" slotted tip and #1 and #00 cross-point tip
- Blades are held in carrier handle
- Change blade sizes instantly
- Convenient pocket clip and capped ends

UPC	NO.	LENGTH
74401 2	744	5.125" (130mm)
74400 5	744DB	Counter display with 24 individual pieces
00744 5	744CD	Carded product in counter top display box 20 pieces



744



4-IN-ONE POCKET SCREWDRIVER – 745DB

Ideal for technicians, hobbyists and do-it-yourselfers.

- 2 double-ended chrome vanadium blades
- 1/8" and 5/32" Slotted tip and #0 & #1 cross-point tip
- Blades are held in carrier handle
- Change blade sizes instantly
- Convenient pocket clip and capped ends
- Length is 5-1/4" (133mm)

UPC	NO.
02147 3	745DB Counter Display 24 pieces (Sold only as a counter display)



745DB

CORDLESS LIGHTED SCREWDRIVER – 502

Precision use for computers, electronics, and industrial applications.

- Super bright LED light
- 6+ Hours of power
- 100+ RPM
- Includes six precision bits
- Quick change chuck
- Super-torque drive
- Ergonomically designed rubber cushion grip
- Cordless (2 "AAA" alkaline batteries included)
- Overall length with bit: 7.5" (190.50mm)

UPC	NO.
05020 5	502



502



4-IN-ONE LIGHTED SCREWDRIVER – 75108

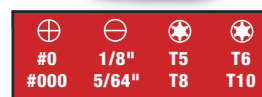
Perfect for computers, electronics, industrial and residential applications, hobbies and crafts.

- Unique design features two drivers in one handle
- Two super bright LED lights provide 360° tip illumination for greater visibility
- Transparent collar maximizes illumination
- Four double ended blades store in handle for convenience
- Cordless (3 "LR41" batteries included)
- Overall length with bit: 6.75" (171.45mm)

UPC	NO.
75108 9	75108



75108



Digital Fractional Calipers

GENERAL®



146



No. 146 Digital Display

**FRACTION+****6" CARBON FIBER
DIGITAL FRACTIONAL CALIPER – 146**

- 6" (153mm) range
- Lightweight, non-marring carbon fiber composite
- Convenient auto-off feature
- Three mode digital display: Decimal inches, fractional inches and millimeters
- Inside, outside, depth & step measurements
- Accuracy: +/- 0.001", +/- 0.02mm
- Power Source: 1 "LR-44" (1.5V) battery (included)
- Dimensions: 9.38 x 3.00 x 0.63 in. (238.25 x 76.20 x 16mm)
- Weight: 6.50 ozs (184.27g)
- Warranty: 1 year (limited)

UPC	NO.	RANGE
01460 3	146	0 - 6" (0 - 153mm)

LR-44 replacement battery



1433



No. 1433 Digital Display

**FRACTION+****3" CARBON FIBER
DIGITAL FRACTIONAL CALIPER – 1433**

- 3" (76mm) range
- Lightweight non-marring carbon fiber composite
- Convenient auto-off feature
- Three mode digital display: Decimal inches, fractional inches and millimeters
- Inside, outside, depth & step measurements
- Accuracy: +/- 0.001", +/- 0.02mm
- Power Source: 1 "LR-44" (1.5V) battery (included)
- Dimensions: 5.50 x 2.06 x 0.75 in. (139.70 x 52.32 x 19.05mm)
- Weight: 1.0 oz. (28.35g)
- Warranty: 1 year (limited)

UPC	NO.	RANGE
01433 7	1433	0 - 3" (0 - 76mm)

LR-44 replacement battery



147



No. 147 Fractional Display

**FRACTION+****DIGITAL FRACTIONAL CALIPERS – 147**

- Heavy-duty stainless steel construction
- Convenient auto-off feature
- Three mode digital display: Decimal Inches, Fractional and Metric
- Inside, outside, depth & step measurements
- Power Source: 1 "LR-44" (1.5V) battery (included)
- Dimensions: 9.25 x 3.25 x 0.55 in. (234.95 x 82.55 x 13.97mm)
- Weight: 6.50 oz. (184.27g)
- Warranty: 1 year (limited)

UPC	NO.	RANGE
01470 2	147	0 - 6" (0 - 153mm)

LR-44 replacement battery

Magnifiers & Retrieving Tools

LumiLENS™

LIGHTED MAGNIFIER – 800543

Ideal for hands-free illuminating magnification.

- Shatter-Resistant lens
- Push On / Push Off Powerful LED light
- Contoured Handle for Handheld Use
- Integrated Stand for Hands-Free Use
- 3X Magnification (6X Inset lens)
- Diameter: 3-1/2" Lens (89mm)
- Dimensions: 8.50 x 3.50 x 0.81 in.
(215.90 x 88.90 x 20.57mm)
- Weight: 5.50 oz. (155.92g)
- Power Source: 2 "AA" batteries (included)
- Includes • Protective pouch

UPC	NO.
26001 7	800543



Patented



800543

ULTRATECH™ GLASS MAGNIFIER – 750543

Ideal for working in confined or obstructed spaces.

- Polished optical glass lens with a metal frame
- Versa-Grip™ Handle with non-slip cushion grip
- Round lens is distortion free
- A powerful magnifier for working in confined or obstructed spaces
- Designed for demanding jobs in laboratory quality control, inspection and assembly functions
- Used by engineers, mechanics, inspectors, lab technicians, toolmakers, instrument assemblers, jewelers, do-it-yourselfers, hobby and crafts people
- Lens Diameter: 3.5" (90mm)
- Dimensions: 8.00 x 3.75 x 3.75 in.
(203.20 x 95.25 x 95.25mm)
- Weight: 7.35 oz. (208.37g)

UPC	NO.	DIAMETER	POWER	FOCAL LENGTH
50543 9	750543	3.5" (88.9mm)	1.25	8" (203.20mm)



750543

LIGHTED MECHANICAL PICK-UPS – 70393, 70396, 70399

Ideal for the retrieving objects from dark recesses.

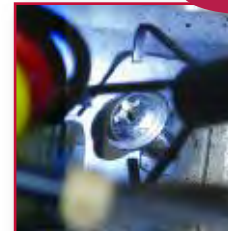
Let that flashlight sleep! General's new Lighted Mechanical PickUp has a powerful white LED that sheds a bright light on your quarry. Its strong 4-prong steel jaws can capture objects up to 1 in. (52mm) across.

- Push on powerful LED light
- Continued push opens retrieval claw
- Comfortable ergonomically designed hand controls
- Flexible shaft
- Strong spring steel retrieval claw
- Power Source: 3 "LR41" batteries (included)

UPC	NO.	OAL	MM
70399 6	70393	12" OAL	304.8mm
26003 1	70396	24" OAL	609.6mm
70393 4	70399	36" OAL	914.4mm

LR41 replacement battery

Patented



70396

70399

LIGHTED MAGNETIC/MECHANICAL PICKUPS – 70390, 70391

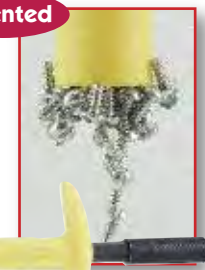
Ideal for the retrieval of ferrous metals from dimly lit areas.

Are most of the objects you drop made of metal? Then the magnet in our two newest tools should prove attractive. The pick-ups have the same form, function and LED as the 70393, 70396 and 70399 above, and add a retractable magnetic

sleeve for retrieving nuts and bolts and other ferrous-metal parts.

UPC	NO.	OAL	MM
70390 3	70390	24" OAL	609.6mm
70391 0	70391	36" OAL	914.4mm

Patented



70390

TELESCOPING ALLIGATOR CLIP – 400

Ideal for use in lighting pilot lights and barbeques.

- Chrome finish to prevent rust
- Convenient pocket-clip
- Diameter: 5/16" (8mm)

UPC	NO.	SIZE	OVERALL LENGTH
42217 0	400	6.25" (159mm)	24.5" (622mm)



400



LIGHTED RECTANGULAR INSPECTION MIRROR – 80560

Ideal for toolmakers, machinists, inspectors and mechanics.

- 2 Extra bright LED lights facilitate the inspection of hard-to-see and hard-to-reach areas
- Fully polished glass mirror is shatter-resistant
- 2 “CF2032” batteries included
- 360° Swivel double ball joint
- Size: 2" x 3" (50.80 x 76.20mm)
- Length: 12.5" (317.5mm) extends to 33.5" (850.9mm) overall

UPC	NO.	PKG.
02146 5	80560	Carded



LIGHTED ROUND INSPECTION MIRROR – 80557

Ideal for toolmakers, machinists, inspectors and mechanics.

New round head LED inspection mirror gets into tight places and its diffused LED bulbs spread light evenly over the viewing area.

- Size: 1.85" (47mm) diameter
- Length: 12" (304.8mm) extends to 32" (812.8mm) overall

UPC	NO.	PKG.
80557 7	80557	Carded



METAL INSPECTION "FLAME" MIRRORS – 5561, 5562, 5563

- Includes plastic protective sheath
- Heavy-duty construction

UPC	NO.	SIZE	OVERALL LENGTH
05531 3	5561	1.25" x 2" (31.75 x 54.8mm)	9.75", extends to 26" (247.65mm extends to 660.40mm)
05562 0	5562	2" x 3.75" (50.80 x 95.25mm)	10.75", extends to 26" (273.05mm extends to 660.40mm)
05563 7	5563	3.75" dia. (95.25mm dia.)	9-3/4", extends to 26" (247.65mm extends to 660.40mm)



LONG TELESCOPING INSPECTION MIRROR – 559

- Handle has black cushion grip
- Non-slip grip
- Mirror size: 2" (51mm) diameter
- 36" (914mm) telescoping

UPC	NO.	SIZE	OVERALL LENGTH
05590 3	559	2" Round (50.80mm Round)	Extends to 36" Extends to (914.40mm)



GLASS INSPECTION MIRRORS – 558, 560

Facilitates inspection of inaccessible workpieces and machines by toolmakers, assemblers, inspectors and mechanics.

- Fully polished glass mirrors are enclosed in plated holders which are attached to knurled handles with ball and socket joints
- No. 560 has a telescoping arm and a vinyl cushion grip handle

UPC	NO.	SIZE	OVERALL LENGTH
42471 6	558	1" x 2" oval (25.40 x 50.8mm)	9" (228.60mm)
42473 0	560	3.5" x 2" (88.90 x 50.80mm)	11.5", extends to 16" (292.10 to 406.40mm)

Inspection Mirrors & Retrieving Tools

UTILITY TELESCOPING INSPECTION MIRRORS – 70555, 70557

Facilitates inspection of inaccessible work pieces and machines by toolmakers, assemblers, inspectors and mechanics.

- Fully polished mirrors are enclosed in plated holders which are attached to handles with a double ball and socket joint
- Double ball and socket joints adjust to any angle
- No. 70557 has a vinyl cushion grip handle

UPC	NO.	SIZE	OVERALL LENGTH
22344 9	70555	1.375" dia. (34.93mm dia.)	5" extends to 27.5" (127mm extends to 698.50mm)
22347 0	70557	2.25" dia. (57.15mm dia.)	9.75" extends to 14.75" (247.65 extends to 374.65mm)



CORDLESS PRECISION ENGRAVER – 505

- Diamond Tip Bit
- Precision cordless engraving anywhere
- Use on metal, plastic, ceramic or glass surfaces
- Protects all types of valuables
- Uses standard 3/32" engraving bit
- Aluminum body
- 20,000 RPM motor
- 2 "AAA" batteries (included)

UPC	NO.	CAPACITY
02139 4	505	Overall Length: 6.5" (165.10mm) Width: 0.5" (12.7mm)



505
Patented

ADJUSTABLE DIAL WIRE STRIPPER – 69

Adjustable settings with lock is ideal for repetitive wire stripping.

- Dial the wire size desired for individual or repetitive stripping without damaging wire
- Spring opening for fast and easy cutting or stripping
- Dial lock closes stripper to protect hardened cutting edges
- Vinyl cushion handles

UPC	NO.	WIRE GAGE CAPACITY
41036 8	69	12, 14, 16, 18, 20, 22, 24, 26



69

4-PIECE INTERCHANGEABLE STAINLESS STEEL PROBE SET – 707862

Ideal for probing, cleaning, picking, or marking small work surfaces.

- Set Includes:
 - Four heat treated stainless steel point configurations:
 - Straight
 - 180° Hook
 - 35° Bend
 - 90° Bend
- Precision locking screw chuck holds blades securely in place
- Each blade is 5" long (127mm); OAL 8.5" (216mm) with handle
- Precision engineered 700 Series Versa-Grip™ handle for maximum performance

UPC	NO.	PKG.
70786 4	707862	Holster/Carded



707862

THE QUAD[™] SAW/DRIVER

4-IN-1 Cutting and Driving System is ideal for contractors, journeymen and do-it-yourselfers.

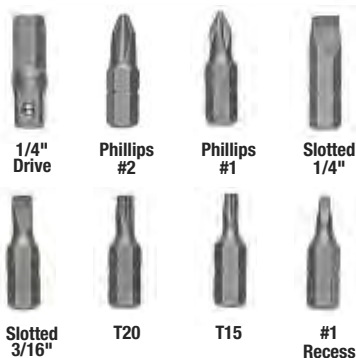
THE QUAD[™] 14-PIECE SAW/DRIVER SET

- 2 position quick change locking handle offers both power and speed.
- A convenient holster holds all 14 pieces.
- A 4-IN-1 cutting and driving system
 - (1) Jab Saw with straight handle and special Sheetrock reciprocal blade
 - (2) Keyhole Saw in the pistol grip handle position
 - (3) Power Driver in the pistol grip position
 - (4) Speed Driver, screw or nut driver with straight handle
- The keyless Quick-Change locking chuck accepts both Quick-Change bits and industry standard reciprocating saw blades
- Dimensions: 12.50 x 5.50 x 1.25 in. (317.50 x 139.70 x 31.75mm)
- Weight: 12.60 oz. (357.20g)

14-PIECE SET INCLUDES:

- 3 saw blades; drywall, Metal/PVC, wood,
- 7 insert bits
- 1 hex to square adaptor
- 1 quick change handle
- 1 holster with belt-clip
- 1 bit extender
- Swivel locking chuck holds all reciprocating blades and speed shank power bits
- Comfortable handle easily locks in the straight or pistol grip position

UPC	NO.
86014 9	86014



86014



Patented

**THE KEYLESS QUICK
CHANGE LOCKING
CHUCK ACCEPTS BOTH
QUICK CHANGE POWER
BITS AND STANDARD
RECIPROCATING
SAW BLADES.**



HVAC/R ENVIRONMENTAL INSTRUMENTS

DHVACR-1



Environmental Instruments Planogram (13)

List

IRT105	6:1 Pocket Infrared Thermometer	39.99
DCO1001	Carbon Monoxide Detector	169.95
PNG2000A	Combustible Gas Detector	49.99
SAM990DW	Digital Psychrometer	99.99
DT898P	Digital Indoor/Outdoor Therm w/ Clock	14.99
HDT304K	Digital Thermometer	18.95
DTP301FC	Digital Thermometer	14.95
HT20	USB RH/Temp Data Logger w/ LCD	79.99
AQ150	Indoor Outdoor Therm w/ Waterproof Probe	18.95
WA500	Water Leak Alarm	14.99
IRT207	Non-Contact Infrared Thermometer	59.99
IRT657	12:1 Wide Range Infrared Thermometer	59.99
PTH8707	Thermo-Hygrometer	39.99

HVAC/R ELECTRICAL INSTRUMENTS

DHVACR-2



Electrical Instruments Planogram (11)

List

DMM20UL	Digital Multimeter	19.99
CAP1500	Digital Capacitor Tester	29.99
CT800	Multi-Color Jumper leads	8.99
ST600LED	Screwdriver/ Continuity Tester	4.99
DMM45	Auto Imaging DMM w/ Back Lite	29.95
VS3000A	Audible/ Visual Non-Contact Voltage Tester	12.99
TL100	Standard Test Leads	5.95
DAMP60	Auto Ranging 600A AC Clamp Meter	59.99
DMM51FSG	Digital Service Multimeter	59.99
BF10	AC Circuit Breaker Finder	39.99
DAMP68	Auto Ranging AC/DC True RMS 400A Clamp Meter	99.99

HVAC/R SPECIALTY TOOLS

DHVACR-3



Tools Planogram (14)

List

500	Cordless Precision Screwdriver	29.96
80557	Lighted Round Inspection Mirror	16.96
80560	Lighted Rectangular Inspection Mirror	16.96
120	Tubing Cutter	12.50
70396	Lighted Mechanical Pick Up	12.44
133	E-Z Ratcheting Tubing Cutter (1-1/8" O.D.)	25.66
70557	Telescoping Mirror (2-1/4" Dia.)	5.98
69	Adjustable Dial Wire Stripper	12.28
129X	Mini Tubing Cutter (7/8" O.D.)	10.40
707862	4 piece Stainless Steel Probe Set	13.20
1191	PVC and Hose Cutter (1-5/8" O.D.)	22.68
505	Cordless Precision Engraver	19.96
800543	"LumiLENS" Lighted Magnifier	19.96
5562	Metal Flame Inspection Mirror	13.60

HVAC/R INSTRUMENTS, TOOLS & ACCESSORIES

Alphanumeric Index



MODEL No.	UPC	CAT. PG.	KEY	DESCRIPTION	PKG. QTY	PKG. TYPE	LIST PRICE
TEST & MEASUREMENT INSTRUMENTS							
320	†00320 1	23		ANALOG POCKET THERMOMETER WITH MAGNIFYING LENS, -40° TO 160°F	3	BL	4.99
321	†22391 3	23		ANALOG POCKET THERMOMETER WITH MAGNIFYING LENS, 0° TO 220°F	3	BL	4.99
AC1	10166 7	37	*Z	110VAC TO 9VDC ADAPTER FOR DTH3007SD, HWA4214SD AND PM930SD	1	BX	19.99
ACL10	01521 6	40	*Z	15A LINE SPLITTER FOR DAMP60, DAMP68, CM660 & CM700 CLAMP METERS	1	BX	19.99
ADP05V	01497 4	15	*	CAR CHARGER FOR DCS400 AND DCS100 SERIES	1	BX	19.99
AM35UL	50005 7	43		ANALOG ECONOMY MULTIMETER, FUSED, UL LISTED	1	BL	15.99
AQ150	22150 1	25		IN/OUT THERMOMETER WITH WATERPROOF PROBE, -58° TO 158°F (-50° TO 70°C)	1	BX	18.95
ASFTKIT	12710 0	35	Z	DOWNLOAD SOFTWARE & CABLE FOR: DT8852; DCFM8906, DCFM8901; WDCFM8912; DM8215, DM8252	1	BX	79.99
BA10	72015 8	29	*	"1/2 AA" BATTERY FOR HT10, HT20, HT50	1	BX	9.99
BF10	01565 0	44	*	AC CIRCUIT BREAKER FINDER	1	BL	39.99
CA10	01566 7	44		AC CIRCUIT ANALYZER	1	DB	99.00
CAP1500	50192 4	45		DIGITAL WIDE RANGE CAPACITOR TESTER WITH ALLIGATOR LEADS	1	BX	29.99
CDM77232	01311 3	28	*	WALL MOUNT CO ₂ /TEMPERATURE/RH METER-HIGH ACCURACY	1	BX	399.00
CGD900	01449 3	30	*	INTRINSICALLY SAFE MSHA APPROVED COMBUSTIBLE GAS LEAK DETECTOR	1	BX	299.00
CIH20DL	01498 1	33	*SO	DATA LOGGING HOT WIRE ANEMOMETER WITH CFM/CMM AND 8:1 IR THERMOMETER	1	BX	499.00
CM660	01629 9	41	*	AUTO RANGING TRUE RMS AC/DC CLAMP METER 0 TO 600A RANGE, 0.01A RESOLUTION	1	BL	119.00
CM700	01633 6	41	*	AUTO RANGING TRUE RMS AC/DC CLAMP METER 0 TO 1000A RANGE, 0.1A RESOLUTION	1	BL	179.00
CT101	51025 4	46		LINE VOLTAGE TESTER, UL LISTED	1	P	2.99
CT102	51035 3	46		LINE VOLTAGE TESTER	1	P	3.99
CT600M	50601 1	47		2 WIRE LINE VOLT TEST LEADS	1	P	8.99
CT6235B	42115 4	39		CONTACT TACHOMETER	1	BX	99.99
CT700F	51095 7	47		3 WIRE FEMALE TEST LEADS	1	P	8.99
CT800	51105 3	47		TEN LOW-VOLTAGE 22AWG ALLIGATOR CLIP LEADS, 18"	1	P	8.99
DAMP60	01356 4	40		AUTO RANGING 600 AMP AC CLAMP METER	1	BL	59.99
DAMP68	01369 4	40		AUTO RANGING AC/DC TRUE RMS 400 AMP CLAMP METER	1	BL	99.99
DCFM700	40700 4	34	*	DIGITAL ECONOMY CAIRFLOW METER WITH CFM	1	CS	149.00
DCFM8901	40005 0	34		DIGITAL TWO-PIECE AIRFLOW METER WITH CFM DISPLAY & RS-232 INTERFACE	1	CS	199.99
DCFM8906	40015 9	34		DIGITAL ONE PIECE AIRFLOW METER WITH CFM DISPLAY	1	CS	189.00
DCIS1	01591 9	5	*	IBOESCOPE	1	CA	299.00
DCO1001	41655 6	31		DIGITAL CO DETECTOR, WITH AUTO ZERO, BACKLIGHT, WRIST STRAP, ALARM & SOFT CASE	1	BL	169.95
DCS050	01445 5	18	*	THE SEEKER™ 050 USB VIDEO INSPECTION SYSTEM W/ 12MM DIA. 1M LONG PROBE	1	BL	49.99
DCS100	01443 1	18	*	THE SEEKER™ 100 WIRELESS USB VIDEO INSPECTION SYSTEM W/ WIRELESS TRANSMISSION & STREAMING VIDEO VIA SKYPE	1	CS	199.99
DCS200	01372 4	19		THE SEEKER™ 200 VIDEO INSPECTION SYSTEM W/ 12MM DIA. 1M LONG PROBE, 2.4" SCREEN	1	CS	149.00
DCS200-05	01494 3	19	*	THE SEEKER™ 200 VIDEO INSPECTION SYSTEM W/ 5.5MM DIA. 1M LONG PROBE, 2.4" SCREEN	1	CS	349.00
DCS200-09	01482 0	19	*	THE SEEKER™ 200 VIDEO INSPECTION SYSTEM W/ 9MM DIA. 1M LONG PROBE, 2.4" SCREEN	1	CS	249.00
DCS280	01572 8	17	*	RUGGED NON-RECORDING VIDEO INSPECTION SYSTEM	1	CS	175.00
DCS300	01373 1	19		THE SEEKER™ 300 VIDEO INSPECTION SYSTEM W/ 12MM DIA. 1M LONG PROBE, 3.5" SCREEN	1	CS	199.00
DCS350	01582 7	16	*	RUGGED RECORDING VIDEO INSPECTION SYSTEM	1	CS	279.00
DCS355	01472 1	19	*	THE SEEKER™ 355 VIDEO INSPECTION SYSTEM W/ 5.5MM DIA. 1M LONG PROBE, 3.5" SCREEN	1	CS	299.00
DCS400	01371 7	19	*	THE SEEKER™ 400 WIRELESS VIDEO INSPECTION SYSTEM W/ 12MM DIA. 1M LONG PROBE, 3.5" SCREEN	1	CS	299.00
DCS400-05	01447 9	19	*	THE SEEKER™ 400 WIRELESS VIDEO INSPECTION SYSTEM W/ 5.5MM DIA. 1M LONG PROBE, 3.5" SCREEN	1	CS	399.00
DCS400-09	01426 4	19	*	THE SEEKER™ 400 WIRELESS VIDEO INSPECTION SYSTEM W/ 9MM DIA. 1M LONG PROBE, 3.5" SCREEN	1	CS	349.00
DCS600	01514 8	5	*	SEASCOPE™600 -WATERPROOF VIDEO INSPECTION SYSTEM	1	CS	199.00
DCS660	01515 5	5	*	SEASCOPE™660 -WATERPROOF RECORDING VIDEO INSPECTION SYSTEM	1	CS	299.00
DCS800	01628 2	8	*	RUGGED VGA RECORDING VIDEO BOESCOPE SYSTEM	1	CA	449.00
DCS1600	01305 2	11	*	HIGH-PERFORMANCE RECORDING VIDEO BOESCOPE SYSTEM	1	CS	999.00
DCS1600ART	01416 5	12	*	HIGH-PERFORMANCE RECORDING VIDEO BOESCOPE SYSTEM WITH ARTICULATING PROBE	1	CS	1999.00
DCS1700	01601 5	8	*	THE VIPER 1700 SUPER HIGH-PERFORMANCE VGA RECORDING VIDEO BOESCOPE SYSTEM	1	CS	1299.00
DCS1800	01297 0	10	*	HIGH-PERFORMANCE HIGH-PERFORMANCE WIRELESS BOESCOPE SYSTEM	1	CA	1299.00
DCS1800-TR	01500 0	13	*	WIRELESS PROBE HANDLE/CONTROLLER FOR THE DCS1800	1	BX	399.00
DCS1800ART	01417 2	12	*	HIGH-PERFORMANCE RECORDING VIDEO INSPECTION SYSTEM WITH WIRELESS ARTICULATING PROBE	1	CA	2499.00
DL8835	46125 9	26	*	TEMPERATURE/HUMIDITY DATA LOGGER WITH ON/OFF SWITCH & TEMPERATURE PORT	1	BX	129.99
DM8215	41215 2	36		DIGITAL MANOMETER WITH 36" TUBING, 0 TO 15 PSI, +/- PORT, BACK LIGHT & RS232 OUTPUT	1	CS	189.99
DM8252	41216 9	36		DIGITAL HIGH RESOLUTION MANOMETER WITH 36" TUBING; 0 TO 2 PSI, +/- PORT	1	CS	219.99
DM8252RS	41220 6	36		HI RES MANOMETER WITH 4 RUBBER STOPPERS FOR DUCT SMOKE DETECTORS	1	CS	239.99
DMM20UL	50121 4	42		DIGITAL UL LISTED MULTIMETER	1	BL	19.99
DMM333	50105 4	43		DIGITAL CREDIT CARD METER WITH CONTINUITY & BARGRAPH	1	BL	39.99
DMM40	50122 1	42	*	MANUAL RANGING MULTIMETER MULTIMETER WITH BRIGHT SCREEN DISPLAY	1	BL	29.95
DMM45	50123 8	42	*	AUTO RANGING DIGITAL MULTIMETER WITH BRIGHT SCREEN DISPLAY	1	BL	39.95
DMM51FSG	50190 0	43		DIGITAL MULTIMETER WITH CONTINUITY BEEPER, JUMBO DISPLAY & PROTECTIVE BOOT	1	BL	59.99
DMM830HS	50100 9	43		DIGITAL "HOT SIDE" LED ECON. MULTIMETER W/ CONT. BEEPER & SINGLE LEAD HOT SIDE	1	BX	21.50
DPS16	01579 7	9	*	PIPE AND DUCT RECORDING VIDEO BOESCOPE INSPECTION SYSTEM	1	CA	2499.00
DPT301FC	20035 3	23		DIGITAL THERMOMETER -40° TO 302°F (-40° TO 150°C)	1	BL	14.95
DS300RC	01245 1	38		DIGITAL CHARGING SCALE	1	BX	219.00



MODEL No.	UPC	CAT. PG.	KEY	DESCRIPTION	PKG. QTY.	PKG. TYPE	LIST PRICE
TEST & MEASUREMENT INSTRUMENTS (CONTINUED)							
DT8852	21012 3	24		DIGITAL DUAL INPUT THERMOMETER WITH 2 "K" TYPE PROBES	1	CS	119.99
DT898P	10012 7	24		IN & OUTDOOR THERMOMETER W/ JUMBO DISPLAY	1	BL	14.99
DTH03A	11040 9	29	*	JUMBO DISPLAY HUMIDITY AND TEMPERATURE MONITOR	1	BL	29.00
DTH3007SD	01461 5	28	*	DATA LOGGING THERMO-HYGROMETER W/ EXCEL FORMATTED SD CARD	1	CA	399.00
EMR813	60017 7	25		THREE CHANNEL CAPABLE WIRELESS THERMOMETER W/ REMOTE	1	BL	28.85
EMR963HG	60070 2	25		WIRELESS THERMO-HYGROMETER WITH REMOTE SENSOR	1	BL	79.95
EP8703	01632 9	27	*	CALIBRATABLE MULTI-FUNCTION PSYCHROMETER	1	BL	49.99
EP8706	10041 7	27	*	CALIBRATABLE DIGITAL PSYCHROMETER	1	BT	89.99
EP8709	01630 5	27	*	CALIBRATABLE MULTI-FUNCTION PSYCHROMETER WITH MIN/MAX, DATA HOLD & WET BULB	1	BL	59.99
EP8710	01631 2	27	*	CALIBRATABLE MULTI-FUNCTION PSYCHROMETER WITH EXTERNAL TEMPERATURE PROBE	1	BL	69.99
FT80H	24015 1	24		REFRIGERATOR / FREEZER THERMOMETER, HORIZONTAL, -20° TO 80°F	1	BL	4.89
FT80R	24005 2	24		REFRIGERATOR / FREEZER THERMOMETER WITH HANGER, ROUND, -40° TO 80°F	1	BL	4.99
GF1302	51067 4	45		3 WIRE CIRCUIT TESTER WITH GFCl, UL LISTED	1	BL	9.99
GPk005	01585 8	37	*	ANALOG GAS PRESSURE KIT, 0 TO 5 PSI W/TUBING, FITTING, GAS MANIFOLD, GAS COCK, SQUEEZE BALL, BLOW MOLD CASE	1	DB	69.99
GPk015	41240 4	37		ANALOG GAS PRESSURE KIT, 0 TO 15 INCHES WC W/ TUBING FITTING & BLOW MOLD CASE	1	DB	44.95
GPk035	41230 5	37		ANALOG GAS PRESSURE KIT, 0 TO 35 INCHES WC W/ TUBING FITTING & BLOW MOLD CASE	1	DB	44.95
GTi10	01550 6	3	*Z	THERMAL IMAGING CAMERA	1	CA	1999.00
GTi20	01586 5	3	*Z	THERMAL/ VISUAL IMAGING CAMERA WITH PICTURE-IN-PICTURE	1	CA	2499.00
GTi30	01551 3	3	*Z	THERMAL/ VISUAL IMAGING CAMERA WITH PICTURE-IN-PICTURE, STREAMING VIDEO & VOICE ANNOTATION	1	CA	3799.00
GTi50	01592 6	3	*Z	THERMAL/ VISUAL IMAGING CAMERA WITH PICTURE-IN-PICTURE, STREAMING VIDEO, VOICE ANNOTATION & 384 x 288 PIXEL FPA	1	CA	5499.00
H16	01580 3	13	*	HANDHELD RECORDING VIDEO BORESCOPE CONSOLE	1	CS	499.00
HDT304K	20005 6	23		DELUXE DIGITAL STEM THERMOMETER -58° to 302°F (-50° to 150°C)	1	BL	18.95
HG15	41225 1	36		HYDROGAUGE MANOMETER (15")	1	P	27.95
HR33LJ	15070 2	27	*Z	CALIBRATION SALT MGCL 33% FOR EP8703/06/09/10	1	BX	39.99
HR75LJ	15070 2	27	*Z	CALIBRATION SALT NAcl 75% FOR EP8703/06/09/10	1	BX	39.99
HT10	01501 8	29	*	USB TEMPERATURE-HUMIDITY DATA LOGGER W/ LED & GPP	1	BL	69.99
HT20	01503 2	29	*	USB TEMPERATURE-HUMIDITY DATA LOGGER W/ LCD & GPP	1	BL	79.99
HT50	01504 9	29	*	USB TEMPERATURE-HUMIDITY DATA LOGGER W/ LCD & IR THERMOMETER & GPP	1	BL	149.99
HWA4214SD	01456 1	35		HOT WIRE ANEMOMETER-THERMOMETER WITH DATA LOGGING SD CARD	1	CA	499.00
INT8819	46135 8	26	Z	USB INTERFACE KIT FOR DL8835	1	BX	69.99
IRT105	20196 1	21	*	POCKET IRT, 6:1 D:S RATIO, ADJUSTABLE EMISSIVITY, -22 to 482°F (-30 to 250°F)	1	BL	39.99
IRT207	01403 5	21	*	THE HEAT SEEKER™ 8:1 MID-RANGE INFRARED THERMOMETER	1	BL	39.99
IRT657	01480 6	21	*	12:1 WIDE-RANGE INFRARED THERMOMETER	1	BL	59.99
IRT659K	01598 8	22	*	12:1 INFRARED THERMOMETER WITH "K" TYPE THERMOCOUPLE & ADJUSTABLE EMISSIVITY	1	BL	79.99
IRTC50	01442 4	22	*	8:1 ENERGY AUDIT IR THERMOMETER/SCANNER WITH STAR BURST LASER TARGETING	1	BL	59.99
LT2234C	42120 8	39		NON-CONTACT LASER TACHOMETER	1	BX	89.99
LTH8809DL	01309 0	28	*	TEMPERATURE/HUMIDITY MONITOR - DATA LOGGER	1	BX	249.95
MMH800	01486 8	26	*	PIN/PINLESS MOISTURE METER WITH TEMPERATURE & HUMIDITY	1	BL	99.99
MSV350D	01275 8	45	*	DIGITAL 3-IN-1 LCD STUD/VOLTAGE/METAL DETECTOR	1	BL	34.99
NGD268	41537 5	30	*	COMBUSTIBLE GAS LEAK DETECTOR WITH WIDE OPERATING RANGE FOR EXTREME WEATHER CONDITIONS	1	CS	199.99
NGD8800	40880 3	30	*	COMBUSTIBLE GAS LEAK DETECTOR	1	CS	199.99
P16PIP	01578 0	9	*	PIPE AND DUCT INSPECTION PROBE AND REEL SET	1	CA	2299.00
P230-1	01386 1	15		CLOSE FOCUS 12MM DIAMETER PROBE FOR ALL SEEKER SYSTEMS--1M (3.3 FT.) LONG	1	BX	79.00
P230-1F	01474 5	15	*	FAR FOCUS 12MM DIAMETER PROBE FOR ALL SEEKER SYSTEMS--1M (3.3 FT.) LONG	1	BX	79.00
P230-1X	01387 8	15		1M (3.3 FT.) EXTENSION FOR 12MM DIAMETER PROBE	1	BX	19.95
P230-2X	01390 8	15		2M (6.6 FT.) EXTENSION FOR 12MM DIAMETER PROBE	1	BX	29.95
P230-3X	01391 5	15		3M (9.8 FT.) EXTENSION FOR 12MM DIAMETER PROBE	1	BX	39.95
P4214SD	01548 3	35		REPLACEMENT PROBE FOR HWA4214SD	1	BX	169.00
P455-1N	01466 0	15	*	5.5MM DIA. PROBE X 1M LONG FOR DCS100, 200, 300 AND 400 SYSTEMS	1	BX	199.00
P455-2N	01460 1	15	*	5.5MM DIA. PROBE X 2M LONG FOR DCS100, 200, 300 AND 400 SYSTEMS	1	BX	249.00
P455-3N	01470 7	15	*	5.5MM DIA. PROBE X 3M LONG FOR DCS100, 200, 300 AND 400 SYSTEMS	1	BX	299.00
P495-1N	01423 3	15	*	9MM DIA. PROBE X 1M LONG FOR DCS100, 200, 300 AND 400 SYSTEMS	1	BX	99.00
P495-2N	01467 7	15	*	9MM DIA. PROBE X 2M LONG FOR DCS100, 200, 300 AND 400 SYSTEMS	1	BX	129.00
P495-3N	01468 4	15	*	9MM DIA. PROBE X 3M LONG FOR DCS100, 200, 300 AND 400 SYSTEMS	1	BX	149.00
P600-2	01596 4	5	*	70 IN. LONG, 9.8MM DIA. PROBE FOR SEASCOPE 600 or SEASCOPE 660	1	BX	79.00
P600-3	01587 1	5	*	105 IN. LONG, 9.8MM DIA. PROBE FOR iBOREScope, SEASCOPE 600 or SEASCOPE 660	1	BX	89.00
P8706	10043 1	27	*Z	EXTERNAL TEMPERATURE PROBE FOR EP8706	1	BX	19.99
P8901	40006 7	34	Z	REPLACEMENT VANE FOR DCFM8901	1	BX	49.99
P8912	01291 8	35	Z	REPLACEMENT VANE FOR WDCFM8912	1	BL	99.95
PCT2236B	42110 9	38		CONTACT/NON-CONTACT LASER CONTACT TACHOMETER	1	BX	129.99
PCT900	40900 8	39		COMBINATION CONTACT/NON-CONTACT LASER TACHOMETER	1	BX	199.00
PM003	01370 0	11		SET OF THREE MIRRORING VIEWING TIPS (70°, 90°, 110°) FOR ALL 5.5MM PROBES EXCEPT P16181/2/3HP	1	BX	168.00
PM930SD	01450 9	37	*	DATA LOGGING PRESSURE METER W/ EXCEL FORMATTED SD CARD	1	BX	349.00

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MODEL No.	UPC	CAT. PG.	KEY	DESCRIPTION	PKG. QTY	PKG. TYPE	LIST PRICE
TEST & MEASUREMENT INSTRUMENTS (CONTINUED)							
PNG2000A	41501 6	31		THE SEEKER™ PEN STYLE COMBUSTIBLE GAS DETECTOR WITH WRIST STRAP, LED & AUDIBLE ALERT	1	BL	49.99
PS10	01527 8	37	*Z, SO	PRESSURE SENSOR FOR PM930SD 10BAR	1	BX	299.00
PS100	01533 9	37	*Z, SO	PRESSURE SENSOR FOR PM930SD 100 BAR	1	BX	299.00
PS2	01491 2	37	Z	PRESSURE SENSOR FOR PM930SD 2BAR	1	BX	299.00
PS400	01534 6	37	*Z, SO	PRESSURE SENSOR FOR PM930SD 400BAR	1	BX	299.00
PS5	01528 5	37	*Z, SO	PRESSURE SENSOR FOR PM930SD 5BAR	1	BX	299.00
PS50	01532 2	37	*Z, SO	PRESSURE SENSOR FOR PM930SD 50 BAR	1	BX	299.00
PT5	01561 2	15		MIRROR, GUIDE BALL AND THREAD PROTECTOR ACCESSORIES FOR 5.5MM DIAMETER PROBE	1	P	7.99
PT9	01560 5	15		MIRROR, MAGNET, HOOK AND THREAD PROTECTOR ACCESSORIES FOR 9MM DIAMETER PROBE	1	P	7.99
PT12	01559 9	15		MIRROR, MAGNET AND HOOK ACCESSORIES FOR 12MM DIAMETER PROBE	1	P	4.99
PT300M	21060 4	23		DIGITAL FOLD-IN SERVICE THERMOMETER WITH MIN/MAX, DATA HOLD & STAINLESS STEEL PROBE	1	BL	29.95
PTH8707	01402 8	26	*	THE SEEKER™ THERMO-HYGROMETER PEN REPLACES LAM122	1	BL	39.99
RCV100	01446 2	18	*	WIRELESS USB RECEIVER COMPATIBLE W/ DCS100 AND DCS400 SERIES	1	BL	99.00
REF401	44401 6	38		GLYCOL REFRACTOMETER TO MEASURE FREEZING POINT (-60° TO 32°F)	1	BX	99.99
RLD380L	40141 5	32		HIGH PERFORMANCE REFRIGERANT LEAK DETECTOR	1	CS	219.00
RLD382P	00382 4	32		HIGH PERFORMANCE REFRIGERANT LEAK DETECTOR WITH PUMP	1	CS	289.00
RLD400	01587 2	31	*	DIGITAL REFRIGERANT LEAK DETECTOR WITH PUMP	1	CA	399.00
RS380	01378 6	32	Z	REPLACEMENT SENSOR FOR RLD380L & RLD382P	1	PB	59.95
SAM990DW	10025 7	27		DIGITAL PSYCHROMETER WITH TEMPERATURE, HUMIDITY, DEW POINT & WET BULB	1	BL	99.99
SDRD1	01502 5	35	*Z	SD CARD READER FOR DTH3007SD, HWA4214SD AND PM930SD	1	BX	14.99
SSC6	51145 9	47	*	STARTER SWITCH 16/2, 20 AMP, PUSH BUTTON (UL SWITCH)	1	P	29.99
ST600LED	51115 2	45		BRIGHT RED LED SCREWDRIVER/CONTINUITY TESTER, DROP RESISTANT TO 10 FT	1	BL	4.99
THGR268	60073 3	25		WIRELESS TEMPERATURE/HUMIDITY SENSOR FOR EMR963HG	1	BX	49.99
TL100	51125 1	47		36" TEST LEADS, 16 GAUGE WITH BOOTS	1	P	5.95
TPK03	25003 7	35	Z	"K" TYPE SURFACE THERMOCOUPLE PROBE WITH EXTENDABLE CORD FOR DTH3007SD & HWA4214SD	1	P	79.99
TPK05	25005 1	35	Z	"K" TYPE PIERCING PROBE, STAINLESS STEEL WITH EXTENDABLE CORD FOR DTH3007SD & HWA4214SD	1	P	49.99
TPK500	25015 0	35		"K" TYPE PROBE FOR UP TO 500°F FOR DTH3007SD & HWA4214SD	1	P	13.95
VS3000A	51000 1	46		AUDIBLE/VISUAL NON-CONTACT VOLTAGE TESTER, ETL CERTIFIED & UL APPROVED	1	BL	12.99
WA500	80140 8	38	*	WATER ALARM	1	BL	14.99
WDCFM8912	01249 9	35	*	DIGITAL AIR FLOW METER WITH CFM, BTU, TEMP, HUMIDITY, DP, FPM, MPH, KPH, MPS, KNOTS & WET BULB	1	CS	269.95
WDCFM8912/CERT	01300 7	35		N.I.S.T. CERTIFICATE OF CALIBRATION FOR THE WDCFM8912 DIGITAL AIR FLOW METER	1	CS	499.95

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Alphanumeric Index

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HAND TOOLS							
13	22006 6	48		DRILL GAGE, 61 TO 80"	3	C	18.88
20	22036 3	48		AMERICAN STANDARD WIRE GAGE (ROUND)	3	C	27.56
21	22041 7	48		U.S. STANDARD SHEET METAL GAGE (ROUND)	3	C	26.42
69	41036 8	55		ADJUSTABLE DIAL WIRE STRIPPER	6	C	12.28
115	01150 3	50		HOSE & TUBING CUTTER	3	C	14.12
115B	11500 3	50		REPLACEMENT CUTTING BLADE (ITEM #115)	3	C	6.78
118	01181 7	50		HEAVY-DUTY PVC PIPE CUTTER-2"	1	C	39.60
118BG	01180 0	50		REPLACEMENT CUTTING BLADE (ITEM #118)	2	C	13.20
119	31173 3	50	*	ONE-HANDED PLASTIC PIPE AND HOSE CUTTER (1/8" TO 1-5/8")	2	C	30.54
120	12003 8	49		TUBING CUTTER (1/8" to 1-1/8")	5	C	12.50
119BG	01194 7	50		REPLACEMENT BLADE FOR #119	3	C	17.45
123R	12009 0	49		MICRO TUBING CUTTER (5/8")	5	C	11.22
129X	12032 8	49		MINI TUBING CUTTER (7/8")	5	C	10.40
126	12017 5	49		PIPE AND TUBING CUTTER (2-5/8")	2	C	35.32
133	13300 7	49		E•Z RATCHETING TUBING CUTTER (1-1/8")	2	C	25.66
146	01460 3	52	*	6" DIGITAL FRACTIONAL CALIPER (CARBON FIBER)	1	C	29.96
147	01470 2	52		6" DIGITAL FRACTIONAL CALIPER	1	C	47.16
151	14008 1	48		STANDARD FLARING TOOL (3/16" - 5/8")	3	C	25.26
400	42217 0	53		TELESCOPING ALLIGATOR CLIP	6	C	6.84
502	05020 5	51	*	CORDLESS LIGHTED PRECISION SCREWDRIVER	4	BL	34.96
505	02139 7	55	*	CORDLESS PRECISION ENGRAVER	5	C	19.96
558	42471 6	54		1" X 2" ADJUSTABLE INSPECTION MIRROR, 6" ARM (9" O/A)	5	C	9.66
559	05590 3	54		LONG TELESCOPING INSPECTION MIRROR	1	BL	11.38
560	42473 0	54		3-1/2" X 2" INSPECTION MIRROR, 11-1/2" EXTENDABLE ARM	5	C	12.82
744	74401 2	51		POCKET 4-IN-1 SCREWDRIVER	10	C	2.74
744CD	00744 6	51		4-IN-1 POCKET MINI SCREWDRIVER	20	DB	2.66
744DB	74400 6	51		POCKET 4-IN-1 SCREWDRIVER DISPLAY	24	DB	2.77
745DB	02147 3	51	*	4-IN-1 POCKET SCREWDRIVER	24	DB	2.96
1191	01191 6	50		PVC & HOSE CUTTER (1-5/8")	3	C	22.98
1433	01433 7	52	*	3" DIGITAL FRACTIONAL CALIPER (CARBON FIBER)	4	BL	19.96
5561	05531 3	54		METAL INSPECTION MIRROR	1	BL	11.50
5562	05562 0	54		RECTANGULAR METAL INSPECTION MIRROR	1	BL	13.60
5563	05563 7	54		ROUND METAL INSPECTION MIRROR	1	BL	14.65
70390	70390 3	53	*Z	LIGHTED MAGNETIC/MECHANICAL PICKUPS 24" OAL	4	BL	19.96
70391	70391 0	53	*Z	LIGHTED MAGNETIC/MECHANICAL PICKUPS 36" OAL	4	BL	23.96
70393	70399 6	53	*	UT LIGHTED MECHANICAL PICK-UP, 12"	4	BL	11.40
70396	26003 1	53	*	UT LIGHTED MECHANICAL PICK-UP, 24"	4	BL	12.44
70399	70393 4	53	*	UT LIGHTED MECHANICAL PICK-UP, 36"	4	BL	13.48
70555	22344 9	55		TELESCOPING MIRROR - 1-3/8" DIAMETER	5	C	6.44
70557	22347 0	55		TELESCOPING MIRROR - 2-1/4" DIAMETER	5	C	5.98
75108	75108 9	51	*	4-IN-ONE LIGHTED SCREWDRIVER	4	BL	14.96
80557	80557 7	54	*	TELESCOPING LIGHTED ROUND INSPECTION MIRROR	4	BL	16.96
80560	02146 5	54	*	TELESCOPING LIGHTED RECTANGULAR INSPECTION MIRROR	4	BL	16.96
86014	86014 9	56		THE "QUAD"-SAW/DRIVER	6	C	24.22
707862	70786 4	55		4 PC INTERCHANGEABLE PROBE SET, STAINLESS STEEL	3	C	13.20
750543	50543 9	53	*	UltraTech™ MAGNIFIER-3.5"	1	C	14.66
800543	26001 7	53	*	"LumiLens" LIGHTED MAGNIFIER	4	BL	19.96
DHVACR-1	TBD	57	*	HVAC/R ENVIRONMENTALINSTRUMENTS (2 EACH OF 13 SKU'S)	1	BX	1325.40
DHVACR-2	TBD	58	*	HVAC/R ELECTRICAL INSTRUMENTS (2 EACH OF 11 SKU'S)	1	BX	785.62
DHVACR-3	TBD	59	*	HVAC/R SPECIALTY TOOLS (3 EACH OF 14 SKU'S)	1	BX	698.52
LR-44	72125 4	52		Replacement Battery	1	C	2.92
RW121/2	12023 6	49		Gold Standard Tubing Cutter Wheels, 2 per card	10 cards	C	4.96
RW122	12027 4	49		Gold Standard Iron/PVC Pipe Cutter Wheel	6	C	7.76
S106	11009 1	48		6 STEEL SPRING TUBING BENDERS (1/4" - 5/8")	1 set	PB	13.22



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